

# LABORATORY DIRECTORY OF SERVICES

Revised: June 18, 2020

## TESTING LOCATIONS & HOURS OF OPERATION

<p><b>St. Joseph Hospital Laboratory</b>            2700 Dolbeer Street            Eureka, CA 95521</p> <p>707-445-8121 / ext. 6050</p>	<p><b>Inpatient Laboratory Services</b>            Open 24 hours a day, 7 days a week, 365 days a year.</p> <p>All inpatient phlebotomy and laboratory testing. Outpatient phlebotomy limited to STAT testing. Transfusion service available at all times.</p>
<p><b>General Hospital Campus</b>            2200 Harrison Avenue            Eureka, CA 95501</p> <p>707-441-4420 / ext. 6030</p>	<p><b>Outpatient Laboratory Services</b>            0700 – 1700 Monday – Friday            Closed Weekends &amp; Federal Holidays.</p> <p>Outpatient Phlebotomy, Rehab In-Patient, Phlebotomy, Outpatient Specimen Drop-off.</p>
<p><b>General Hospital Campus</b>            2200 Harrison Avenue            Eureka, CA 95501</p> <p>707-441-4420 / ext. 6601</p>	<p><b>Microbiology</b>            0630 – 2300 Monday – Friday            0630 – 1500 Saturday            0700 – 1530 Sunday</p>
<p><b>Humboldt Central Laboratory</b>            2425 Harrison Avenue            Eureka, CA 95501</p> <p>707-445-8121 / ext. 6625</p>	<p><b>Anatomic Pathology Services</b>            0600 – 1700 Monday – Friday            Closed Weekends &amp; Federal Holidays.</p> <p>Cytology, Histology and Pathology. The building is not open to the public.</p>
<p><b>Redwood Memorial Hospital Laboratory</b>            3300 Renner Drive            Fortuna, CA 95540</p> <p>707-725-3361 / ext. 3100</p>	<p><b>Inpatient Laboratory Services</b>            Open 24 hours a day, 7 days a week, 365 days a year.</p> <p>All inpatient phlebotomy and laboratory testing. Outpatient phlebotomy limited to STAT testing. Transfusion service available at all times.</p>
<p><b>Redwood Memorial Hospital Laboratory</b>            3300 Renner Drive            Fortuna, CA 95540</p> <p>707-725-3361 / ext. 3100</p>	<p><b>Outpatient Laboratory Services</b>            0700 – 1800 Monday – Friday            0800 – 1130 Saturday by Appointment only            Closed Sunday &amp; Federal Holidays.</p> <p>Outpatient Phlebotomy, Outpatient Specimen Drop-off.</p>

## APPOINTMENT INFORMATION

### **Scheduling an Appointment**

Preferred appointments can be made if a completed order is submitted to Outpatient Laboratory Services. Completed Orders include:

- Patient name and date of birth
- Diagnosis
- MD signature
- Orderable tests (if tests need research or clarification, this should be clarified before the appointment).

Appointments without orders will be accepted. Please be aware of possible delays due to issues with the requisition such as a missing diagnosis, etc.

Appointment duration: 20 minutes.

### **Contact Information**

Call St. Joseph Hospital Customer Service Hotline at 707-441-4420, Option 5.  
Hotline hours are Monday – Friday, 0800 – 1730.

## GENERAL INFORMATION

### **Mission**

The mission of Laboratory Services is to provide a wide variety of rapid, convenient and consistently accurate laboratory results to all of our customers all of the time.

### **Type and Ages Of Patients Served**

All patient types (inpatient and outpatient) and ages are served (newborn, pediatric, adolescent, adult and geriatric).

### **Scope and Complexity of Patient Care Needed**

Laboratory services are provided for patients of all levels of clinical complexity and categories.

### **Extent to Which Level of Care or Service Provided Meets Patients' Needs**

SJHS-HC provides full services, comprehensive laboratory testing. Any testing not provided locally is sent to an accredited reference lab.

### **Methods Used To Assess and Meet Patients' Care Needs**

The Laboratory has a comprehensive quality program which includes internal and external quality control and performance improvement activities. The Laboratory monitors all point of care QC and testing for compliance and accuracy in the Hospitals and Clinics. Laboratory requisitions are assessed for accuracy and appropriateness before testing. Transfusion Services are available all of the time.

### **Client Supplies and Requisitions**

You can fax your supply order forms to 707-441-4447 or leave supply forms with the courier for needed supplies.

## SPECIMEN COLLECTION AND HANDLING

Specimens for laboratory analysis must be collected and handled in a manner that will preserve the integrity of the specimen and suitability for assay. Specific requirements are listed with each test procedure in the DIRECTORY OF TESTS section of the manual.

Specimen volume requirements in this manual are expressed as **whole blood volumes**.

### Most Commonly Used Specimen Collection Container

Blood Specimen Tubes (Vacutainer)

<i>Color of Stopper</i>	<i>Code</i>	<i>Anticoagulant</i>
Yellow	(ACD)	ACD solution A
Blue	(BLUE)	Sodium Citrate
Light Green	(GRN LI)	Lithium Heparin
Green	(GREEN)	Sodium Heparin
Lavender	(LAV)	K2 EDTA
Pink (Blood Bank)	(PINK)	K2 EDTA
Tan	(TAN)	K2 EDTA
Gold/Gel	(GLD)	none
Red	(RED)	none
Light Green	(PST)	Plasma Separator
Red/Black	(SST)	Serum Separator

### Blood Cultures

Make sure you use appropriate colored Blood Culture bottles and technique when collecting specimens.

### Other Specimen Containers

Make sure all specimens are submitted in a well-constructed tube or container with a secure lid to prevent leakage during transport.

### Urine Containers

Random collection for Chemistry tests (Na, K, Ca etc) / drugs tests / preg tests: Use clean collection containers with tightly fitting cap.

Urine collection for UA and C&S off catheter line: Use urine kit with tube adaptor, Yellow and Gray tubes

Urine collection for UA C&S: Use kit with cup, straw, Yellow and Gray tubes

Timed collection: Use adequately sized collection container. Follow instructions for specific assay.

### Instructions for Specimen Submission

All laboratory specimens should be delivered / tubed to the laboratory as soon as possible.

Urine specimens should be refrigerated immediately after collection.

Frozen specimens should be collected and transported to the laboratory on ice.

All specimens must be received in a biohazard bag whether hand carried or sent in pneumatic tube system.

If the specimen received is not suitable for analysis, laboratory personnel will contact the physician/nursing unit as soon as possible to explain the situation and to make appropriate arrangements.

All specimens must be packed / packaged appropriately if sending in pneumatic tube system.

### Specimen Labeling Requirements

All specimens received by the laboratory must be labeled with the following information:

- Patient's name (last, first, middle initial)
- Patient's Medical Record number
- Date and time of collection
- Initials of person who collected the specimen
- Pap specimens should have the patient's first and last names labeled on the slide(s) and/or collection vial.

If the specimen is one of several, identify each with a separate label designating its source or specimen type. If more than one container must be used (e.g., two jugs for 24-hour urine collection, label as 1 of 2 and 2 of 2 to ensure that they remain together. The person obtaining the specimen should do the specimen labeling.

Pathology and non-gyn cytology specimens should have specimen site specified on each container. The laboratory policy is to reject any specimen that is not properly labeled. Clients will be notified of any labeling errors and rejected specimens.

### **Other Specimen Requirements**

Specimens must be accompanied by a written requisition specifying the tests or procedures to be performed **only if** computer-generated labels are not available.

All patients seen at the outpatient laboratory for testing must present a written requisition or written physician's order for laboratory testing.

### **Blood Collection Guidelines**

**Fasting** is nothing to eat or drink except water for 12 hours. No coffee, tea, or any other beverage.

### **3 Hour Glucose Tolerance Test (GTT)**

- Collect a fasting blood specimen.
- Test the fasting specimen for glucose. Call the provider if the glucose level is  $\geq 126$  mg/dL ( $\geq 113$  mg/dL on W.B. Glucometer).
- Give 100 G glucose beverage.
- Collect blood specimens at 1 hour, 2 hours, and 3 hours.

### **Post Prandial (PP)**

In this procedure the patient is instructed to eat a high carbohydrate meal, rest, and return for blood collection two hours after completion of the meal. Fasting is not part of this protocol. Collect a fasting specimen only if the provider has marked this on the requisition.

**Most laboratory tests are performed on plasma, serum or anticoagulated whole blood. Please see our TEST MENU section for specific requirements.**

- Do not collect blood samples during the administration of fluids or with the same syringe used to inject these fluids.
- To avoid altered chemical values due to prolonged stasis, apply tourniquet for no longer than one minute.
- Ensure that the appropriate tube is used for blood collection and invert all tubes several times immediately after being drawn.
- Because gross lipemia may interfere with some assays, it may be advisable to delay blood collection directly following heavy meals.
- Blood collection tubes with the anticoagulants or preservatives should be filled completely to ensure that proper additive concentrations are maintained.

### **Urine Collection Guidelines**

The following outlines how urine samples should be collected for the most accurate test results.

### **Random Collections**

For routine analysis and microscopic evaluation, have the patient void into a clean container. The specimen should be capped, labeled, and refrigerated until courier pickup. A clean-catch or midstream specimen is preferred.

### **Clean-Catch Collection**

Instruct the patient to void and discard the first portion of urine stream. Instruct the patient to use a sterile container and, before voiding is complete, to collect the remaining portion of the urine ("midstream" portion) and submit this for analysis.

## **24-Hour Urine Collection**

Outpatient Laboratory Services provides 24-hour urine collection containers with various types of preservatives depending on the test requested. It is recommended that all timed urine collections (24 hours) be kept refrigerated during the collection period and brought to the laboratory as soon as possible after completion. Please refer to our urine preservation chart for specific information. Use the following procedure for the correct specimen collection and preparation:

- Warn the patient of the presence of potentially hazardous preservatives in the collection container.
- Instruct the patient to discard the first morning specimen and to record the time of voiding.
- The patient should collect all subsequent voided urine for the remainder of the day and night.
- On the second day, collect the first morning specimen at the same time as noted on day one. This void completes the 24-hour collection.

In the event an aliquot of this sample is submitted, please mix well before aliquoting and indicate the total volume of the 24-hour urine collection on the requisition and on the aliquot vial.

## **Sputum Collection Guidelines**

For optimal sputum specimens:

1. First A.M. collection – Morning specimens resulting from overnight accumulation of lung secretions give the best results.
2. Times 3 – A series of three sputa collected on three consecutive mornings gives a wide enough sampling to ensure diagnostic accuracy.
3. Give careful instruction – Careful verbal instruction given by the practitioner and reinforced by a copy of the instruction sheet will help provide an adequate specimen.
4. Sputum is not spit – Sputum from the lungs is very thick mucus, not thin saliva (spit) from the mouth.
5. Clean out mouth before collection – Patient should not eat, drink or chew anything before collecting specimen. Mouth should be rinsed with tap water before collection.
6. It is difficult for the patient to cough up thick sputum, have them take a deep breath and hold it a few seconds. Then cough deeply and bring up the material into the container.
7. Amount needed – 2 or 20cc (tell the patient “at least a teaspoon full”) is collected in a clean container. Return specimen to laboratory as soon as it is collected. Add Saccomanno fixative in a 50/50 mixture or refrigerate the specimen if a two-hour delay is expected.
8. Aerosol sputum induction – Some patients are unable to provide an adequate deep cough specimen without the assistance of aerosol sputum induction. If thick sputum cannot be produced or the previous cytology reports show that the specimens are not adequate, then consideration should be given to use the sputum induction method. This service is available through the St. Joseph Cardiopulmonary Department.

## SPECIMEN COLLECTION AND HANDLING ORDER OF DRAW

To prevent pre-analytical variables, all phlebotomy collections should follow the CLSI guidelines with regard to order of draw.

Order of Draw	Description	Tube
1	Blue	
2	Red	
3	Gold	
4	Green	
5	Lavender	
6	Other Tubes	



## TRANSFUSION SERVICES BLOOD BANK

Transfusion services are offered 24 hours a day.

Service/Testing	STAT Turn-Around-time	Routine
Type and Screen	1 hour	4 hours
Cross-match Transfuse Immediately	1 hour	n/a
Cross-match Transfuse stable, symptomatic patient	n/a	6 hours
Blood Type	1 hour	4 hours
Direct Coombs	1 hour	4 hours
Fetal Screen	1 hour	n/a
Kleihauer Betke	4 hours	n/a
Antibody Identification	Performed at Northern California Community Blood Bank (NCCBB), expected TAT 4 hours. TAT may be longer based on complexity of antibodies identified.	

Transfusion services provider testing and products to both inpatient and outpatient departments, including: Emergency Department, ICU, PCU, Med Surg 2, Med Surg 3, Child Birth Center, Surgical Services, Chemotherapy Infusion suite, Rehabilitation, and Ambulatory Infusion.

Leuko-Reduced Red Cells, Fresh Frozen Plasma and Cryoprecipitate are stored on site and available 24 hours per day. One unit of Platelet Pheresis are typically available on campus. Northern California Blood Bank staff are available 24/7 to provide or order additional products.

<b>Red Cell Products</b>	
Leuko-Reduced Red Cells (LRC)	Available 24/7
Irradiated Leuko-reduced Red Cells	Available upon request
CMV Negative – LRC	Available upon request
Autologous Packed Cells	Coordinated by provider and NCCBB
<b>Platelet Products</b>	
Platelet Pheresis	Typically 1 unit available depending upon local supply
Psoralen treated Platelets	Available upon request
Irradiated Platelet Pheresis	Available upon request
HLA matched Platelets	Available upon request
<b>Plasma Products</b>	
Thawed Plasma	Available 24/7
COVID Convalescent Plasma	Available upon request
<b>Cryoprecipitate</b>	
Cryoprecipitate	Available 24/7
Pooled Cryoprecipitate	Available 24/7

# SPECIMEN COLLECTION PROCEDURES AND INFORMATION

## I. SURGICAL PATHOLOGY

A pathologist is on call at all times. Please call extension x6625 (Monday to Friday, 9 AM to 6 PM) or the hospital operator (after hours and on weekends and holidays).

### **Contacting Pathologist / Report Availability**

For pathology reports, case status update, or to speak with a pathologist: x6625

### **General Information**

- Specimens must be ordered electronically through OE / POM or be accompanied by a completed pathology requisition slip. Specimens must be identified with the following information:
  - Patient name, medical record number, location (room number)
  - Date of collection
  - Specimen description (detailed and complete)
  - Ordering physician's name
  - Clinical history information and current symptoms.
- All tissue specimens collected on the nursing units should be delivered promptly to the Lab Specimen Processing area, first floor in the 1954 building.
- Pathology specimens in formalin collected in Endoscopy or Surgery should be delivered to the Pathologist's office adjacent to surgery and placed in the tissue specimen area near the pass through window. DO NOT leave a fresh specimen unattended without notifying Pathology personnel.
- Some specimens require special handling and/or coordination with outside laboratories. Please notify the Pathology Department at extension x6625 in advance or ASAP when special handling is required for a pathology specimen.
- Please refer all questions regarding the appropriate handling, collection or scheduling of any procedure or pathology specimen submission to extension x6625 or to the pathologist on call after hours.

### **Routine Tissue Specimen Processing**

Place all specimens in 10% neutral buffered formalin and submit to Pathology.

Most routine biopsies and small specimens received before 4 PM are processed over-night with reports rendered the following working day. Larger specimens may require overnight fixation before processing.

### **Autopsy Service**

Please call extension x6625 to inquire about an autopsy procedure.

### **Bone Marrow**

Call the Pathology Department (6625) to give the Pathology administrative secretary notice of a scheduled bone marrow procedure, so that sufficient time is available to pack the bone marrow up for send out to the reference lab before 3:00pm weekdays. All bone marrows are performed in Oncology or in Diagnostic Imaging.

### **Electron Microscopy**

Provide 24-hour notification to the Department of Pathology.

Submit FRESH, UNFIXED specimen on a saline soaked sponge (to prevent drying) IMMEDIATELY to the surgical pathology cutting area along with completed pathology requisition.

Pathologist on call is responsible for specific specimen selection.

### **Immunofluorescent Studies**

Provide 24-hour notification to the Department of Pathology.

Submit FRESH, UNFIXED specimen on a saline soaked sponge (to prevent drying) IMMEDIATELY to the surgical pathology cutting area along with completed pathology requisition.

Pathologist on call is responsible for specific specimen selection.

### **Muscle Biopsy**

Provide 24-hour notification to the Department of Pathology.

Submit FRESH, UNFIXED specimen on a saline soaked sponge (to prevent drying) IMMEDIATELY to the surgical pathology cutting area along with completed pathology requisition. Indicate the site of the biopsy and the tests to be performed on the muscle biopsy:

- Electron Microscopy
- Routine Microscopy.

Recommended size of the biopsy is 3.0 x 1.0 x 1.0 cm.

A copy of the history and physical examination should also be submitted.

### **Tissue Specimens for Microbiological Studies (culture)**

Place a tissue for culture into a sterile screw cap container immediately UNDER STERILE CONDITIONS (in the operating room or examination room). DO NOT ADD ANY PRESERVATIVE OR FIXATIVE.

Submit with a completed laboratory requisition directly to the clinical laboratory processing area.

If histological examination is also to be done, submit separate specimen to pathology with proper requisition and formalin preservative or if only a single specimen is available, submit a separate pathology request (via OE or pathology requisition) and indicate on the microbiology order that the specimen must be forwarded to pathology after the requested cultures have been obtained.

# SPECIMEN COLLECTION PROCEDURES AND REQUIREMENTS

## II. CYTOLOGY

### Hours of Operations

- Cytology hours are 9:00am to 5:00pm, Monday through Friday.
- A pathologist is on call at all times. Call extension x6625 (Monday to Friday, 9 AM to 6 PM) or the hospital operator (after hours and on weekends and holidays).

### Contacting Cytology / Pathologist / Report Availability – Extension x6625

Reports for routine requests will be available in 1-2 working days.

If STAT service is required, please contact Cytology x6625 directly or contact pathologist on call.

### General Information

- Specimens must be ordered electronically through OE or be accompanied by a completed requisition slip (with all required information).
- Specimens must be identified with the following information (specimen may not be processed if any information is missing):
  - Patient name, medical record number, location
  - Date of collection and specimen description
  - Ordering physician's name.
- Smears and slides must be individually identified by writing patient's name and date of birth on the frosted end of each slide with a pencil.
- Specimens should be delivered directly to the Lab Specimen Processing area, first floor in the 1954 building.

### Specimen Collection Information

#### **Bronchial Washings**

Submit specimen in a sterile collection container without any fixatives or preservatives. If the specimen will not get to Cytology before 2:00pm on Fridays, fix with equal parts Cytolyt preservative. If only one container is submitted it should be sent to Microbiology first before processing for cytological exam.

#### **Bronchial Brushings**

DO NOT ALLOW THE BRUSH TO DRY!

Submit the brush in Cytolyt preservative.

#### **Broncho-Alveolar Lavage (BAL)**

Submit in a sterile collection container. If the specimen will not get to Cytology before 2:00pm on Fridays, fix with equal parts Cytolyt preservative. If only one container is submitted it will be sent to Microbiology first before processing for cytological exam.

#### **CSF (cerebral spinal fluid)**

CSF specimens are often shared with the clinical lab. Submit fresh to the clinical lab and they will add Saccomanno fixative if needed for cytologic preservation. This is the only fluid submitted to Cytology that is fixed with Saccomanno fixative instead of Cytolyt.

#### **Cyst Fluid (breast, ovary, renal)**

Submit fluid in a sterile collection container. Refrigerate if delay is anticipated. DO NOT add preservative or fixative. DO NOT make slides directly from the fluid.

#### **Fine Needle Aspiration Biopsy (FNA)**

During normal working hours call extension x6625 to schedule an FNA. All FNAs must be pre-scheduled and the Cytotechnologist will then be available to assist with specimen preparation after collection by a radiologist or surgeon.

#### **Esophageal Brushings**

Gastric washings are not acceptable for cytological exam.

DO NOT ALLOW THE BRUSH TO DRY!

Submit the brush in Cytolyt preservative.

**Gynecological Specimens ('PAP" smears)**

All specimens collected for Pap smear must be submitted in a ThinPrep PreservCyt vial.

**Paracentesis, Peritoneal Fluid, Ascitic Fluid**

Submit fluid in a sterile collection container to Cytology. Identify separate specimen locations.

**Sputum**

Submit in a sterile collection container with no preservative or fixative. A first morning specimen is preferable and yields best results.

**Thoracentesis, Pleural Fluid**

Submit fluid in a sterile collection container to Cytology. Identify separate specimen locations.

**Viral inclusions – Tzank Prep**

Make scrapings smears from the lesion and immediately immerse in 95% reagent I alcohol. Swabs are NOT acceptable for cytological exam.

**Urinary Tract Specimens (voided urine, bladder washings, etc.)**

Submit specimen in a sterile collection container without any preservative or fixative. Refrigerate if transportation to Cytology will be delayed more than 2 hours.

# **Important Provider Notifications**

**TO:** All Medical Staff  
**FROM:** Stanley T. Hino, MD, & Erik J. Burman, MD  
 Laboratory Medical Directors  
**DATE:** March 20, 2018  
**RE:** Biotin

In response to a November 2017 FDA Safety Communication regarding Biotin interference, St. Joseph Health Humboldt County laboratories want providers to be aware of the possible interference in the analysis of selected chemistry tests possibly causing inaccurate results.

Biotin (vitamin B7) is part of the vitamin B complex and it has been recommended for overall health of hair, skin and nails as well as fetal development. Biotin does not interfere when taken at levels found naturally in food and multivitamins (30 mcg/day). Biotin supplements, particularly in larger doses (100 mg/day) have become increasing popular and at these high levels can cause interfere.

Biotin interference can be unpredictable and has the potential to affect biotin-streptavidin based clinical laboratory assays. Depending on the assay format (sandwich vs. competitive) the interference may produce either a positive or negative bias. Clinical decisions based on incorrect laboratory test results may lead to patient harm due to inappropriate treatment or diagnosis.

The following assays performed at St Joseph Hospital and Redwood Memorial Hospital are susceptible to biotin interference and should be interpreted with caution if a patient is on high dose biotin therapy.

Sandwich Assays (Negative Bias)	Competitive Assays (Positive Bias)
BHCG	Digoxin
Cancer antigen 15-3	Estradiol
Cancer antigen 125	Folate
CEA	Free Thyroxine (Free T4)
CKMB	Vitamin B12
Ferritin	
NT - proBNP	
PSA	
Troponin I	
TSH	

References:

Kirkwood, Julie. "Meeting The Biotin Challenge." *Clinical Laboratory News* January/February 2018: 3-8. Print.  
 Wonderling, Ramani PhD. "A Closer Look At The Recent FDA Safety Communication About Biotin Interference." *Medical Laboratory Observer* March 2018: 44-45. Print.

"Biotin Interference In Certain Immunoassays." *Siemens Healthcare Diagnostics Customer Bulletin* December 2017: 1-5. Print.

<https://www.fda.gov/Safety/MedWatch/SafetyInformation/SafetyAlertsforHumanMedicalProducts/ucm586641.htm>



# **Summary of Laboratory Testing Services**

### 11-Deoxycortisol

Test Code: **11DEOXz** CPT:82634  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30543  
 Turn-around-time: Performed Tuesday; Report available Friday.  
**Special Instructions:** Early morning specimen preferred. 11DEOXz: 1(0.25)ml S-Rf

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel) Frozen	1

*ALTERNATE CONTAINERS: Lavender, Royal blue, green top*  
*COLLECTION NOTES:*  
*REJECTION CRITERIA: glass tubes, gel*  
*LAB NOTES: Separate serum after clotting Ship serum refrigerated or frozen*  
*SPECIMEN STABILITY: Room temp: 4 days; Refrig: 4 days; frozen: 28 days*

### 17-Hydroxyprogesterone

Test Code: **17OHPRz** CPT:83498  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17180  
 Turn-around-time: No testing on Saturday; Reports available Mon, & Wed to Sat.  
**Special Instructions:** No gel tubes. 17OHPRz: 1(0.5)ml S-Rf

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel)	4

*ALTERNATE CONTAINERS: Lavender, Royal Blue, Green*  
*COLLECTION NOTES:*  
*REJECTION CRITERIA: Gel tubes*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp:48 hrs; Refrig:7 days; Frozen: 2 yr*

### 17-Hydroxyprogesterone, Neonat

Test Code: **17OHPROz** CPT:83498  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17654X  
 Turn-around-time: No testing on Saturday; Reports available Mon, & Wed to Sat  
**Special Instructions:** REFLAB: 1(0.5)ml S-Rf

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel)	1

*ALTERNATE CONTAINERS: Lavender, Royal Blue, Green*  
*COLLECTION NOTES: No gel tubes*  
*REJECTION CRITERIA: SST tubes*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp:4 8 hrs; Refrig:7 days; Frozen 2 yr*

### 5-Hydroxyindoleacetic Acid,24h

Test Code: **5HIA24z** CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 39625X  
 Turn-around-time: Setup: Tuesday, Thursday, Friday. Report in 3-7 days

**Special Instructions:** Diet instructions.Refrig during collect5HIA24z:10(5)ml24U-FZ

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Frozen	5

*COLLECTION NOTES: Patient should avoid food high in indoles such as avocados, banana, tomato, plum, walnut, pineapple, and eggplant Patient should also avoid tobacco, tea and coffee three days prior to specimen collection*

*REJECTION CRITERIA: pH >30 and received unfrozen*

*LAB NOTES: Add 6N HCL to maintain pH below 3 Record patients*

*age and 24-hour urine volume on test request form and urine vial*

*SPECIMEN STABILITY: Room temp: N/A; Refrig: N/A; Frozen 30 days*

*CLINICAL SIGNIFICANCE: Values above 10 mg/24 hours occur in carcinoid syndrome Slight elevations also occur in nontropical sprue and after reserpine administration Drugs which can interfere with testing due to physiologic response:*

*acetaminophen, alpha and beta blockers, atenolol, bromocriptine, bronchodilators, clonidine, digoxin, isoniazid, L-dopa, labetalol, methyl dopa, monoamine oxidase inhibitors, nitroglycerin, sympathomimetic amines, phenobarbital, phenothiazines, phentolamine, reserpine, salicylates, tricyclic antidepressants*

### 5-Nucleotidase

Test Code: **5NUCz** CPT:83915  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 671  
 Turn-around-time: Setup: Monday - Friday. Reports 1 day after setup.  
**Special Instructions:** **5NUCz: 1(0.2)ml S-FZ**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel) Frozen	1

*COLLECTION NOTES:*

*REJECTION CRITERIA: Specimen at room temperature*

*LAB NOTES: Centrifuge and transfer serum specimens to clean, plastic screw-capped vial Freeze and ship frozen*

*SPECIMEN STABILITY: Room temp: unacceptable; Refrig 7 days; Frozen: 14 days*

*CLINICAL SIGNIFICANCE: Increased enzyme levels in sera are associated with certain forms of liver disease, such as intra or extra-hepatic obstruction and particularly in cases of hepatic carcinoma*

### ABO/Rh Type

Test Code: **TYPE** CPT:  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Results Pending  
Age (Y)  
 0-100

### ABO/Rh Type, OB

Test Code: **OBTYPE** CPT:

Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Results Pending  
 Age (Y)  
 0-100

**Acetaminophen Level**

Test Code: *ACTMN* CPT:80329  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

**Acetylcholine Receptor Binding**

Test Code: *ARBaz* CPT:83519  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 206  
 Turn-around-time: Setup Tuesday through Saturday; Report 1-2 days.

**Special Instructions:** *ARBaz: 1(.5)ml S-Rf*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA: Gross hemolysis, gross lipemia, microbially contaminated*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days ; Refrig: 14 days;*

*Frozen: 30 days*

**Acetylcholine Receptor Bloc AB**

Test Code: *ACHRBz* CPT:83519  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34459  
 Turn-around-time: Setup Sunday, Tuesday, Thursday; Report 3-6 days.

**Special Instructions:** *ACHRBz: 1(.5)ml S-Rf*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA: Gross hemolysis, gross lipemia, microbially contaminated*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days ; Refrig: 14 days;*

*Frozen: 30 days*

**Acetylcholine Receptor Modu AB**

Test Code: *ACHRMz* CPT:83519  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 26474  
 Turn-around-time: Setup Sunday, Tuesday, Thursday; Report 4-7 days.

**Special Instructions:** *ACHRMz: 1(.5)ml S-Rf*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

**COLLECTION NOTES:**

**REJECTION CRITERIA:** Gross hemolysis, gross lipemia, microbially contaminated

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days ; Refrig: 14 days;

Frozen: 30 days

**Act Prot C-Res w Factor V rflx**

Test Code: **APCRz** CPT:8530790  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 19704  
 Turn-around-time:

**Special Instructions:** **APCRz:2mL WB EDTA and 1mL PLZ FRZ\***  

<u>Age (Y)</u>	<u>Container</u>
0-100	Blue (Sodium Citrate) Frozen

19704

Activated Protein C-Resistance w/Factor V Leiden Mutation reflex

Plasma

32% Sodium Citrate (lt blue-top)

2 mL

Room Temp: 1 Hour , Refrig: 4 Hours , Frozen: 6 Months

Ship frozen (Do not thaw)

Reject grossly hemolyzed specimens

Whole Blood

EDTA (lavender);EDTA (royal blue-top);ACD solution B(yellow-top)

2mL

Room Temp: 8 days, Refrig: 8 days, Frozen: 30 days

Platelet-poor plasma: Centrifuge light blue-top tube 15 minutes

at approx 1500 x g within 60 minutes of collection Using a

plastic pipette, remove plasma, taking care to avoid the

WBC/platelet buffy layer and place into a plastic vial

Centrifuge a second time and transfer platelet-poor plasma into a

new plastic vial Plasma must be free of platelets (<10,000/mcL)

Freeze immediately and ship on dry ice

Whole Blood: Preferred shipping temperature is frozen, but room

temp and refrigerated shipping is acceptable

**Actin (Smooth Muscle) Ab IgG**

Test Code: **ASMAz** CPT:83516  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 15043  
 Turn-around-time: Setup Tuesday through Saturday. Report available 2-5 days.

**Special Instructions:** **ASMAz: .5(.25)ml S-Rf**  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

**COLLECTION NOTES:**

**REJECTION CRITERIA:** Gross hemolysis, lipemia, microbially contaminated

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days ; Refrig: 14 days;

Frozen: 30 days

**Activated Clotting Time**

Test Code: *ACT* CPT:85347  
 Dept: Coagulation Prefix: K  
 Turn-around-time:  
**Special Instructions:** Cardiac pt = 2cc, Black top  
Age (Y)  
 0-100 Special Black Top

Bedside collection by Clinical Laboratory Scientist ONLY.

**Activated Partial Thromboplast**

Test Code: *PTT* CPT:85730  
 Dept: Coagulation Prefix: K  
 Turn-around-time:  
**Special Instructions:** Tube must be filled to mark.  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue NaCitrate 2.7 mL	2.7

*COLLECTION NOTES: The correct ratio of blood to anticoagulant must be maintained Level of blood in blue container must be at fill mark Transport to laboratory immediately*  
*REJECTION CRITERIA: Hemolyzed, high hematocrit, clotted or room temp > 4 hrs*  
*SPECIMEN STABILITY: Room temp: 4 hrs*

**Activated Protein C-Resistance**

Test Code: *APCz* CPT:85307  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 22  
 Turn-around-time: Setup Thursday. Reported Friday.  
**Special Instructions:** Tube must be filled to mark. Spec process. APCz: 2(1)ml P-Fz  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

*COLLECTION NOTES: The correct ratio of blood to anticoagulant MUST be maintained Level of blood in blue container MUST be at fill mark Transport to laboratory immediately If unable to deliver to lab within 4 hours then process per LAB NOTES*  
*REJECTION CRITERIA: Gross hemolysis, received room temperature*  
*LAB NOTES: For extended stability, centrifuge within one hour of collection Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial(s) Freeze immediately Transport frozen*  
*SPECIMEN STABILITY: Room temp: 1 hr ; Refrig: 4 hrs; Frozen: 6 months*

**Acylcarnitine, Plasma**

Test Code: *ACPz* CPT:82017  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 14531  
 Turn-around-time: Setup: Tues, Thurs, Sat. Report in 2-5 days.

**Special Instructions:** Avoid hemolysis during collection. ACPz: 1(0.2)ml P-Fz

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Frozen	4

**COLLECTION NOTES:**

**REJECTION CRITERIA:** specimen hemolyzed

**LAB NOTES:** Promptly centrifuge and aliquot to a transport tube and freeze immediately

**SPECIMEN STABILITY:** Room temp: 1 hr ; Refrig: 1 hr ; Frozen: 30 days

**ADAMTS13 Activity Reflex**

Test Code: **VWFPz** CPT:85397  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 14532  
 Turn-around-time: Setup: Sun-Thurs; Report available: 2-4 days  
**Special Instructions:** Tube must be filled to mark. VWFPz: 1(0.5)ml P-Fz

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

**COLLECTION NOTES:** The correct ratio of blood to anticoagulant **MUST** be maintained Level of blood in blue container **MUST** be at fill mark Transport to laboratory immediately If unable to deliver to lab within 4 hours then process per LAB NOTES

**REJECTION CRITERIA:** received room temperature

**LAB NOTES:** For extended stability, centrifuge within one hour of collection Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial(s) Freeze immediately Transport frozen

**SPECIMEN STABILITY:** Room temp: N/A ; Refrig: N/A ; Frozen: 21 days

**CLINICAL SIGNIFICANCE:** ADAMTS-13 is a zinc metalloprotease that cleaves ultra large vWF multimers Studies have shown that low levels of ADAMTS-13 activity are associated with thrombotic thrombocytopenic purpura (TTP), a life-threatening hematological condition characterized by a low platelet count, microvascular thrombi, red cell fragmentation, and renal complications Congenital TTP is a rare inherited disease caused by mutations within the ADAMTS-13 gene, which result in the production of non-functional protein The acquired form of TTP is an autoimmune-like disorder caused by the development of autoantibodies to ADAMTS-13 that inhibits enzyme activity

**Adenosine Deaminase, CSF**

Test Code: **ADEFz** CPT:8431190  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 17698  
 Turn-around-time: Setup: Monday through Saturday. Report 1-2 days.  
**Special Instructions:** ADEFz: 0.5(0.1)ml CSF-Rf

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	CSF Frozen	1

**COLLECTION NOTES:**  
**REJECTION CRITERIA:**  
**LAB NOTES:**  
**SPECIMEN STABILITY:** Room temp: 1 day; Refrig: 3 days; Frozen: 6 months  
**CLINICAL SIGNIFICANCE:** An elevated level of adenosine deaminase (AD) in human serum, plasma or select body fluids is used as a surrogate marker for inflammation or infectious disease. In CSF, pleural effusions, and pericardial fluid in particular, elevated AD activity has been shown to be associated with tubercular lesions. Additional disease states that may result in elevated AD activity include liver cirrhosis, liver fibrosis, certain malignancies (e.g. lymphoma), viral hepatitis, and autoimmune diseases (e.g. SLE, rheumatoid arthritis)

---

**Adrenal AB Screen w Reflex**

Test Code: **ADABz** CPT:86255  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4645X  
 Turn-around-time: Setup: Wednesday and Friday. Report in 2-7 days.  
**Special Instructions:** **ADABz: 2(0.5)ml S-Rf**

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

**COLLECTION NOTES:**  
**REJECTION CRITERIA:**  
**LAB NOTES:**  
**SPECIMEN STABILITY:** Room temp: 48 hr ; Refrig: 14 days; Frozen: 30 days  
**CLINICAL SIGNIFICANCE:** Adrenal Antibody is detected in patients with autoimmune adrenal disease, eg, Addisons disease

---

**Adrenocorticotrophic Hormone**

Test Code: **ACTHz** CPT:82024  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 211  
 Turn-around-time: Setup Tuesday through Saturday. Report available 1-2 days.  
**Special Instructions:** **Collect between 7am and 10am. ACTHz: 1.5(.5)ml P-FZ**

Age (Y)	Container	Volume (mLs)
0-100	Lavender Frozen	1.5

**COLLECTION NOTES:** If specimen is not drawn between 7am and 10am, reference ranges will not be appropriate  
**REJECTION CRITERIA:** Received not frozen, gross hemolysis  
**LAB NOTES:** Transport frozen  
**SPECIMEN STABILITY:** Room temp: 16 hrs ; Refrig: 24 hrs; Frozen: 28 days

---

**Alanine Aminotransferase**

Test Code: **ALT** CPT:84460  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

Age (Y)	Container	Volume (mLs)
0-100	Green Li Heparin PST	1



**Albumin**

Test Code: *ALB* CPT:82040  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

**Alcohol, Quantitative**

Test Code: *ALC* CPT:80320  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Aldolase**

Test Code: *ALDOz* CPT:82085  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 227  
 Turn-around-time: Setup: Tuesday through Saturday. 1 - 2 days  
**Special Instructions:** Hemolyzed specimens are not acceptable. ALDOz: 2(0.5)ml S-Rf

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*  
*REJECTION CRITERIA:* hemolyzed specimens  
*LAB NOTES:*  
*SPECIMEN STABILITY:* Room temp: 8 hrs; Refrig: 10 days; Frozen: 6 months  
*CLINICAL SIGNIFICANCE:* Aids in the diagnosis of primary disease of skeletal muscle myocardial infarction and viral hepatitis

**Aldosterone**

Test Code: *ALDSz* CPT:82088  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17181  
 Turn-around-time: Setup: Sun thru Fri. Report available not available Tue & Sun  
**Special Instructions:** No Gel. See collection notes. ALDSz: 1(0.25)ml S-Rf

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1

*COLLECTION NOTES:* Draw upright samples at least hour after patient sits up  
*REJECTION CRITERIA:* gel container  
*LAB NOTES:* Separate serum after clotting Do not submit glass tubes  
*SPECIMEN STABILITY:* Room temp: 4 days; Refrig: 7 days; Frozen:

28 days

*CLINICAL SIGNIFICANCE: Approximately 1-2% of individuals with primary hypertension have primary hyperaldosteronism characterized by hypokalemia (low potassium) and low direct renin. Because serum aldosterone concentrations vary due to dietary sodium intake and body position, some physicians prefer measurement of 24-hour urine concentration for aldosterone.*

**Aldosterone PRA Ratio**

Test Code: **ALDPz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16845  
 Turn-around-time: Setup: Sunday - Friday. Report not available 3-5 days.

**Special Instructions: Do not refrigerate. ALDPz: 1.8(0.8)ml P-Fz**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Frozen	3

*COLLECTION NOTES:*

*REJECTION CRITERIA: Specimen refrigerated Plasma in separation tube*

*LAB NOTES: Refrigeration will cause cryoactivation to occur and prorenin will convert to renin, causing falsely high renin results. Do not refrigerate sample.*

*SPECIMEN STABILITY: Room temp: 24 hrs; Refrig: N/A; Frozen: 28 days*

*CLINICAL SIGNIFICANCE: The Aldosterone-renin ratio is used to screen for primary aldosteronism.*

**Aldosterone, Ur 24hr**

Test Code: **ALDUz** CPT:82088  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 19552X  
 Turn-around-time: Setup: Sunday and Tuesday. Report available 3-9 days

**Special Instructions: Ref during 24hr coll. Random Ur ok. ALDUz: 5(0.8)ml 24U-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	1

*COLLECTION NOTES: Random urine or 24 hour urine. Refrigerate during collection.*

*REJECTION CRITERIA: urine collected with HCL*

*LAB NOTES: add 10g Boric to 24 hour urine container before aliquoting.*

*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 28 days; Frozen: 21 days*

*CLINICAL SIGNIFICANCE: Determination of aldosterone is useful in the diagnosis and evaluation of primary aldosteronism, selective hypoaldosteronism, edematous states, and other conditions of electrolyte imbalance.*

**Alkaline Phosphatase**

Test Code: **ALK** CPT:84075  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

### Alkaline Phosphatase, Bone

Test Code: **ALKPBNz** CPT:84075  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 29498  
 Turn-around-time: Setup: Monday, Wednesday, Friday; Report in 3-6 days.

**Special Instructions:** ALKPBNz: 1(0.3)ml S-Rt

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:* grossly hemolyzed, grossly lipemic, grossly icteric

*LAB NOTES:*

*SPECIMEN STABILITY:* Room temp: 7 days; Refrig: 7 days; Frozen: 60 days

*CLINICAL SIGNIFICANCE:* The Bone-Specific Alkaline Phosphatase (BSAP) assay provides a general index of bone formation and a specific index of total osteoblast activity BSAP and osteocalcin are the most effective markers of bone formation and are particularly useful for monitoring bone formation therapies and antiresorptive therapies

### Alkaline Phosphatase, Isoenz

Test Code: **ALPIz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 231  
 Turn-around-time: Setup: Tuesday thru Saturday. Report in 3-5 days.

**Special Instructions:** Overnight fasting preferred. ALPIz: 2(1.0)ml S-Rt

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY:* Room temp: 7 days; Refrig: 21 days; Frozen: 21 days

*CLINICAL SIGNIFICANCE:* When the Total Alkaline Phosphatase activity is increased, the Isoenzymes are useful in determining the source of the increased activity

### Allergen, A. fumigatus IgE

Test Code: **ALLAFUEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2703  
 Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.

**Special Instructions:** ALLAFUEz: 0.3(0.15)ml S-Rf

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY:* Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, A. mellifera IgE**

Test Code: **ALLHOBEZ** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2731X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLHOBEZ: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

**Allergen, A. Tenuis IgE**

Test Code: **ALLALTEZ** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2706  
 Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.  
**Special Instructions:** ALLALTEZ: 0.3(0.15)ml S-Rf

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

**Allergen, Acacia IgE**

Test Code: **ALLACAEZ** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2519  
 Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.  
**Special Instructions:** ALLACAEZ: 0.3(0.15)ml S-Rf

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

**Allergen, Alder IgE**

Test Code: **ALLGALEZ** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2502  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü-3 days  
**Special Instructions:** ALLGALEZ: 0.3(0.2)ml S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Almond IgE**

Test Code: **ALLALMEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2820

Turn-around-time:

Setup: Monday thru Saturday. Report avail 2-4 days.

**Special Instructions:**

**ALLALMEz: 0.3(0.15)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Almond IgG**

Test Code: **ALLALMGz**

CPT:86001

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 38137

Turn-around-time:

Setup: Sunday, Wednesday, Friday. Reports same day.

**Special Instructions:**

**ALLALMGz: 1(0.3)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 7 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Apple IgE**

Test Code: **ALLAPPEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2849X

Turn-around-time:

Setup: Monday thru Saturday. Report avail 2-4 days.

**Special Instructions:**

**ALLAPPEz: 0.3(0.15)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Apple IgG**

Test Code: **ALLAPPGz**

CPT:86001

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 38257

Turn-around-time:

Setup: Monday through Saturday. Report available in 1 day

**Special Instructions:**

**ALLAPPGz: 1(0.3)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Apricot IgE**

Test Code: **ALLAPREz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2563

Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.

**Special Instructions:** ALLAPREz: 0.3(0.15)ml S-Rf

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days;*

*Frozen: 30 days*

---

**Allergen, Aureob pullulans IgE**

Test Code: **ALLAPUEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 6634

Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.

**Special Instructions:** ALLAPUEz: 0.3(0.15)ml S-Rf

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days;*

*Frozen: 30 days*

---

**Allergen, Avocado IgE**

Test Code: **ALLAVOEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8928

Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.

**Special Instructions:** ALLAVOEz: 0.3(0.15)ml S-Rf

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days;*

*Frozen: 30 days*

---

**Allergen, Avocado IgG**

Test Code: **ALLAVOGz** CPT:86001

# LABORATORY INFORMATION MANUAL

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10639  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Reports same day.  
**Special Instructions:** **ALLAVOGz: 1(0.3)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days; Frozen: 30 days*

---

## Allergen, Banana IgE

Test Code: **ALLBANEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8926  
 Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.  
**Special Instructions:** **ALLBANEz: 0.3(0.15)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

## Allergen, Banana IgG

Test Code: **ALLBANGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38248  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Reports same day.  
**Special Instructions:** **ALLBANGz: 1(0.3)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days; Frozen: 30 days*

---

## Allergen, Barley IgE

Test Code: **ALLBAREz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2806  
 Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.  
**Special Instructions:** **ALLBAREz: 0.3(0.15)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

**Allergen, Barley IgG**

Test Code: **ALLBARGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38139  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Reports same day.  
**Special Instructions:** **ALLBARGz: 1(0.3)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days; Frozen: 30 days*

**Allergen, Beef IgG**

Test Code: **ALLBEFGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38125  
 Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.  
**Special Instructions:** **ALLBEFGz: 1(0.3)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days; Frozen: 30 days*

**Allergen, Bermuda Grass IgE**

Test Code: **ALLBGRGz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2302  
 Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.  
**Special Instructions:** **ALLBGRGz: 0.3(0.15)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days;*  
*Frozen: 30 days*

**Allergen, Beta Lactoglob IgG**

Test Code: **ALLBLAGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 11201  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Reports same day.  
**Special Instructions:** **ALLBLAGz: 1(0.3)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*



*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Birch IgE**

Test Code: **ALLBEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2503X  
 Turn-around-time: Setup: Monday thru Saturday. Report avail 2-4 days.

**Special Instructions:** ALLBEz: 0.3(0.15)ml S-Rf

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days;*  
*Frozen: 30 days*

---

**Allergen, Blue Mussel IgE**

Test Code: **ALLBMUEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2837  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü-3 days

**Special Instructions:** ALLBMUEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days;*  
*Frozen: 30 days*

---

**Allergen, Blueberry IgE**

Test Code: **ALLBLUEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2568  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü-3 days

**Special Instructions:** ALLBLUEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen:*  
*30 days*

---

**Allergen, Brazil Nut IgE**

Test Code: **ALLBRAEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2818X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü]3 days

**Special Instructions:** ALLBRAEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen:*  
*30 days*

---

**Allergen, Broccoli IgE**

Test Code: *ALLBROEz* CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2631X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1 -3 days  
**Special Instructions:** *ALLBROEz: 0.3(0.2)ml S -RF*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen:*  
*30 days*

---

**Allergen, Broccoli IgG**

Test Code: *ALLBROGz* CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38124  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1 -3 days  
**Special Instructions:** *ALLBROGz: 0.3(0.2)ml S-RF*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen:*  
*30 days*

---

**Allergen, Brome Grass IgE**

Test Code: *ALLBGz* CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2311  
 Turn-around-time:  
**Special Instructions:** *0.3 mL S REF*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*2311*  
*Brome Grass (G11) IgE*  
*Serum*  
*Red-top (no gel); SST (red-top/glass); SST (red-top/plastic)*  
*0.3 mL*  
*Room Temp: 14 Days , Refrig: 14 Days , Frozen: 30 Days*  
*Ship room temperature (Okay to thaw)*

---

**Allergen, C. Albicans IgE**

Test Code: **ALLCALEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2705  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü]3 days  
**Special Instructions:** **ALLCALEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, C. herbarum IgE**

Test Code: **ALLCLHEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2702  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLCLHEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Cabbage IgE**

Test Code: **ALLCABEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2632  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü-3 days  
**Special Instructions:** **ALLCABEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Cabbage IgG**

Test Code: **ALLCABGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38118  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1 -3 days  
**Special Instructions:** **ALLCABGz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Carrot IgE**

Test Code: **ALLCAREz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2831  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü-3 days

**Special Instructions:** ALLCAREz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Carrot IgG**

Test Code: **ALLCARGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38122  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1 -3 days

**Special Instructions:** ALLCARGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Casein IgE**

Test Code: **ALLCASEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2853  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü-3 days

**Special Instructions:** ALLCASEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Casein/Cow Milk IgG**

Test Code: **ALLCOMGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38100  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLCOMGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>

0-100

Serum Separator Tube

1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Cashew Nut IgE**

Test Code: **ALLCASZ** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2608

Turn-around-time: Setup: Monday thru Saturday. Report available 1ü]3 days

**Special Instructions:** ALLCASZ: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*\* ALLCASZ \*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Cashew Nut IgG**

Test Code: **ALLCASG** CPT:86001

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10323

Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1 ]3 days

**Special Instructions:** ALLCASG: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Cat Dander IgE**

Test Code: **ALLCATEZ** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2601

Turn-around-time: Setup: Monday thru Saturday. Report available 1ü]3 days

**Special Instructions:** ALLCATEZ: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Cauliflower IgE**

Test Code: **ALLCAUEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2635X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü]3 days  
**Special Instructions:** **ALLCAUEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Celery IgE**

Test Code: **ALLCELEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2860  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü]3 days  
**Special Instructions:** **ALLCELEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Celery IgG**

Test Code: **ALLCELGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38101  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1 ]3 days  
**Special Instructions:** **ALLCELGz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Cheddar Cheese IgE**

Test Code: **ALLCHEEZ** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2858  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü]3 days  
**Special Instructions:** **ALLCHEEZ: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Cheddar Cheese IgG**

Test Code: **ALLCHEGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38563  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1 ]3 days

**Special Instructions:** ALLCHEGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Cheese Mold IgE**

Test Code: **ALLCMOEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2859  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü]3 days

**Special Instructions:** ALLCMOEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Cherry IgE**

Test Code: **ALLCHREz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2609  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü]3 days

**Special Instructions:** ALLCHREz: 0.3(0.2)ml SüJRF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Chicken Feathers IgE**

Test Code: **ALLCHFEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2651  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLCHFEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>

0-100

Serum Separator Tube

1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

### Allergen, Chicken Meat IgE

Test Code: **ALLCHMEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2857

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLCHMEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

### Allergen, Chickpea IgE

Test Code: **ALLCHKEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38958X

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLCHKEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

### Allergen, Chocolate/Cacao IgG

Test Code: **ALLCHOGz** CPT:86001

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34549

Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1 -3 days

**Special Instructions:** ALLCHOGz: 0.3(0.2)ml S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

### Allergen, Chocolate/Cocoa IgE



Test Code: **ALLCHOEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2875  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü-3 days  
**Special Instructions:** **ALLCHOEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen:*  
*30 days*

---

**Allergen, Cinnamon IgE**

Test Code: **ALLCINEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2637  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLCINEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen:*  
*30 days*

---

**Allergen, Clam IgE**

Test Code: **ALLCLAEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8929  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLCLAEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen:*  
*30 days*

---

**Allergen, Cockroach IgE**

Test Code: **ALLCOGEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2736  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLCOGEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Coconut IgE**

Test Code: **ALLCOCEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2836  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLCOCEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Codfish IgE**

Test Code: **ALLCODEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2803  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLCODEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Codfish IgG**

Test Code: **ALLCODGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38110  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1 -3 days

**Special Instructions:** ALLCODGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Coffee IgE**

Test Code: **ALLCOFEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2915  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLCOFEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

### Allergen, Coffee IgG

Test Code: **ALLCOFGz** CPT:86001

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38560

Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLCOFGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

### Allergen, Common Ragweed IgE

Test Code: **ALLRAGEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2401

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLRAGEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

### Allergen, Corn/Maize IgE

Test Code: **ALLCORNz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2808

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLCORNz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

### Allergen, Cottonwood IgE

Test Code: **ALLCOTEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2514  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLCOTEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Ambient	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Cow Dander IgE**

Test Code: **ALLCOz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2604  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLCOz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Crab IgE**

Test Code: **ALLCRBEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2823  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLCRBEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Ambient	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Crab IgG**

Test Code: **ALLCRBGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38143  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days  
**Special Instructions:** ALLCRBGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Cucumber IgE**

Test Code: **ALLCUCGz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2639

Turn-around-time:

Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:**

**ALLCUCGz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, D. farinae Mites IgE**

Test Code: **ALLDEFz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2722

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLDEFz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, D. pteronyssinus IgE**

Test Code: **ALLDEPEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2721

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLDEPEz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Dog Dander IgE**

Test Code: **ALLDOGEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2605

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLDOGEz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Duck Feathers IgE

Test Code: **ALLDUFEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2664

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLDUFEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Egg White IgE

Test Code: **ALLEGWEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2801

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLEGWEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Egg Whole IgE

Test Code: **ALLEYWEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2919

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLEYWEz: 0.3(0.2)ml S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Egg Whole IgG

Test Code: **ALLEGWGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10326  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1-3 days  
**Special Instructions:** **ALLEGWGz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Egg Yolk IgE**

Test Code: **ALLEGYEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2856  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLEGYEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Egg Yolk IgG**

Test Code: **ALLEGYGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34681  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days  
**Special Instructions:** **ALLEGYGz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA: Plasma is no longer acceptable*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Elm IgE**

Test Code: **ALLELMEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2508  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLELMEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, English Plantain IgE**

Test Code: **ALLPLTEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2409

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLPLTEz: 0.3(0.2)ml SüJRF

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

2

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Epicoccum P. IgE**

Test Code: **ALLEPUEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 6692X

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLEPUEz: 0.3(0.2)ml Sü-RF

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, False Ragweed IgE**

Test Code: **ALLFRWEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2404

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLFRWEz: 0.3(0.2)ml Sü-RF

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

2

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Fusarium monilifo Ig**

Test Code: **ALLFPREz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 6696

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLFPREz: 0.3(0.2)ml Sü-RF

Age (Y)

Container

Volume (mLs)



0-100

Serum Separator Tube

1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Garlic IgE

Test Code: **ALLGAREz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2847X

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLGAREz: 0.3(0.2)ml SüJRF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Gluten IgE

Test Code: **ALLGLUEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2854

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLGLUEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Gluten IgG

Test Code: **ALLGLUGz** CPT:86001

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 11084

Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLGLUGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Goat Milk IgE

Test Code: **ALLGOMEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2922X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLGOMEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Goose Feathers IgE**

Test Code: **ALLGOFEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2661X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLGOFEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Grape IgE**

Test Code: **ALLGRAEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2675  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLGRAEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Grapefruit IgE**

Test Code: **ALLGRFEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2923  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLGRFEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Green Pepper IgE**

Test Code: **ALLGRPEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2931X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLGRPEz: 0.3(0.2)ml Sü-RF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	1

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, H. halodes IgE**

Test Code: **ALLHHz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 6711  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLHHz: 0.3(0.2)ml Sü-RF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	1

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, H. stier IgE**

Test Code: **ALLHDUz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2712  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLHDUz: 0.3(0.2)ml Sü-RF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	1

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Hazelnut IgE**

Test Code: **ALLHAZEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2817  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLHAZEz: 0.3(0.2)ml Sü-RF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	1

0-100

Serum Separator Tube

1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Honey IgE**

Test Code: **ALLHONEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 8930

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLHONEz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Horse Dander IgE**

Test Code: **ALLHDHEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2603

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLHDHEz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Johnson Grass IgE**

Test Code: **ALLJGREz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2310X

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLJGREz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Kent Blue Grass IgE**

Test Code: **ALLKBGEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2308  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLKBGEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Kiwi Fruit IgE**

Test Code: **ALLKIWEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2884X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLKIWEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Lamb IgE**

Test Code: **ALLLAMEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2888  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLLAMEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Lamb's Quarter IgE**

Test Code: **ALLLAQEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2410  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLLAQEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Latex Hev brazil IgE**

Test Code: **ALLLATEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8927  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLLATEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Lemon IgE**

Test Code: **ALLLEMEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2708  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLLEMEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Lentils IgE**

Test Code: **ALLLENEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 74583N  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLLENEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Lettuce IgE**

Test Code: **ALLLETEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2862  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLLETEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Lettuce IgG

Test Code: **ALLLETGz** CPT:86001

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10318

Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLLETGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Lime IgE

Test Code: **ALLLIMEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2709

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLLIMEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Lobster IgE

Test Code: **ALLLOBEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2855

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLLOBEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Lobster IgG

Test Code: **ALLLOBGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38107  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days  
**Special Instructions:** ALLLOBGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen:*  
*30 days*

---

**Allergen, Macademia Nut IgE**

Test Code: **ALLMACEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38475Z  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLMACEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen:*  
*30 days*

---

**Allergen, Malt IgE**

Test Code: **ALLMALEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2863X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLMALEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen:*  
*30 days*

---

**Allergen, Mango Fruit IgE**

Test Code: **ALLMGOEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 23860  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLMGOEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*



**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Meadow Fescue IgE**

Test Code: **ALLMFEEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2304  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLMFEEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Melon IgE**

Test Code: **ALLMELEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2887  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLMELEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Milk IgE**

Test Code: **ALLMILEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2802  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLMILEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Mountain Cedar IgE**

Test Code: **ALLMOCEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2506  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLMOCEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Mucor racemosus IgE**

Test Code: **ALLMUREz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2704

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions: ALLMUREz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Mugwort IgE**

Test Code: **ALLMUGEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2406

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions: ALLMUGEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Mushroom IgE**

Test Code: **ALLMUSEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8931X

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions: ALLMUSEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Oak White IgE**

# LABORATORY INFORMATION MANUAL

Test Code: **ALLOAKEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37921X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLOAKEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

## Allergen, Oat IgE

Test Code: **ALLOATEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2807  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLOATEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

## Allergen, Oat IgG

Test Code: **ALLOATGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38131  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days  
**Special Instructions:** **ALLOATGz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

## Allergen, Olive IgE

Test Code: **ALLOLBEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38482  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1ü]3 days  
**Special Instructions:** **ALLOLBEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Olive Tree IgE**

Test Code: **ALLOLVEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2509  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLOLVEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Onion IgE**

Test Code: **ALLONIEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2848  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLONIEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Onion IgG**

Test Code: **ALLONIGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38123  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLONIGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Orange IgE**

Test Code: **ALLORAEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2833  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLORAEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Orange IgG

Test Code: **ALLORAGz** CPT:86001

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38247

Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions: ALLORAGz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Oyster IgE

Test Code: **ALLOYSEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8932

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions: ALLOYSEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Paper Wasp IgE

Test Code: **ALLPWVEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2734

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions: ALLPWVEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Paprika IgE

Test Code: **ALLPAPEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3047  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLPAPEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Pea IgG**

Test Code: **ALLPEAGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38127  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days  
**Special Instructions:** **ALLPEAGz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Peach IgE**

Test Code: **ALLPCHEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8405  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLPCHEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Peanut IgE**

Test Code: **ALLPNTEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2813  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLPNTEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Peanut IgG**

Test Code: **ALLPNTGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34679  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLPNTGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Pear IgE**

Test Code: **ALLPEREz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8884  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLPEREz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Peas IgE**

Test Code: **ALLPEAEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 62042N  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLPEAEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Pecan Nut IgE**

Test Code: **ALLPECEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2864X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLPECEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Penicillium notat Ig**

Test Code: **ALLPNCEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2701

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLPNCEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Perennial Rye IgE**

Test Code: **ALLRYGEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2305

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLRYGEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Phoma betae IgE**

Test Code: **ALLPHBEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 6770

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLPHBEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Pigeon Feathers IgE**



Test Code: **ALLPIGEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2616  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLPIGEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Pineapple IgE**

Test Code: **ALLPINEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3048X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLPINEz: 0.3(0.2)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Pistachio IgE**

Test Code: **ALLPISEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2726  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLPISEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Plum IgE**

Test Code: **ALLPLUEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2728  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLPLUEz: 0.3(0.2)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Pork IgE**

Test Code: **ALLPOREz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2826  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLPOREz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Pork IgG**

Test Code: **ALLPORGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38116  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLPORGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Potato IgE**

Test Code: **ALLPOTEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2835  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLPOTEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Potato IgG**

Test Code: **ALLPOTGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38126  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLPOTGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Pumpkin IgE

Test Code: **ALLPUMz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 3051

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLPUMz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

2

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Red Kidney Bean IgE

Test Code: **ALLRKBEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 3052X

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLRKBEz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

2

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Rice IgE

Test Code: **ALLRICEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2809

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLRICEz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Rice IgG

Test Code: **ALLRICGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38135  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days  
**Special Instructions:** **ALLRICGz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Rough Pigweed IgE**

Test Code: **ALLPIWEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2414  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLPIWEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Russian Thistle IgE**

Test Code: **ALLRUTEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2411  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLRUTEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY:Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Rye Food IgE**

Test Code: **ALLRYz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2805  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLRYz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Rye IgG**

Test Code: **ALLRYGGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38130  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLRYGGz: 0.3(0.2)ml Sü]RF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, S. botryosum IgE**

Test Code: **ALLSTHEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 6799  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLSTHEz: 0.3(0.2)ml Sü-RF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Salmon IgE**

Test Code: **ALLSALEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2841  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLSALEz: 0.3(0.2)ml Sü-RF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Salmon IgG**

Test Code: **ALLSALGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38144  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLSALGz: 0.3(0.2)ml Sü-RF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	0.5

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Scallop IgE

Test Code: **ALLSCAEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 273

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLSCAEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Sesame Seed IgE

Test Code: **ALLSESEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2810X

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLSESEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Sesame Seed IgG

Test Code: **ALLSESGz** CPT:86001

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38136

Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLSESGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Shrimp IgE

Test Code: **ALLSHREz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2824  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLSHREz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Shrimp IgG**

Test Code: **ALLSHRGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38108  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days  
**Special Instructions:** ALLSHRGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Soybean IgE**

Test Code: **ALLSOYEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2814  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLSOYEz: 0.3(0.2)ml S -RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Soybean IgG**

Test Code: **ALLSOYGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34680  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days  
**Special Instructions:** ALLSOYGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Spinach IgE**

Test Code: **ALLSPIEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3054X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLSPIEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Squid IgE**

Test Code: **ALLSQEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2745X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLSQEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Strawberry IgE**

Test Code: **ALLSTREz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2844X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLSTREz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Strawberry IgG**

Test Code: **ALLSTRGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38561  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions:** ALLSTRGz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5



*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Sweet Potato IgE**

Test Code: **ALLSWPEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2555

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLSWPEz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Sycamore IgE**

Test Code: **ALLMAPEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2511

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLMAPEz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Tea IgE**

Test Code: **ALLTEAEz**

CPT:86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 6805

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLTEAEz: 0.3(0.2)ml S -RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Timothy Grass IgE**

# LABORATORY INFORMATION MANUAL

Test Code: **ALLTIMEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2306  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLTIMEz: 0.3(0.2)ml S -RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

## Allergen, Tomato IgE

Test Code: **ALLTOMEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2825  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLTOMEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

## Allergen, Tuna IgE

Test Code: **ALLTUNEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2840  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLTUNEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

## Allergen, Walnut IgE

Test Code: **ALLWALEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3489  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** ALLWALEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Walnut Tree IgE**

Test Code: **ALLWATEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2510  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLWATEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Watermelon IgE**

Test Code: **ALLWAMEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30755Z  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLWAMEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Western Ragweed IgE**

Test Code: **ALLWRAEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2402X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLWRAEz: 0.3(0.2)ml Sü-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

---

**Allergen, Wheat IgE**

Test Code: **ALLWHITEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2804X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:** ALLWHITEz: 0.3(0.2)ml S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Wheat IgG

Test Code: **ALLWHTGz** CPT:86001

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30337

Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days

**Special Instructions: ALLWHTGz: 0.3(0.2)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Whey IgE

Test Code: **ALLWFHEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3248

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions: ALLWFHEz: 0.3(0.2)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, Wh-Faced Hornet IgE

Test Code: **ALLWFHEz** CPT:86003

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2732

Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions: ALLWFHEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

### Allergen, White Bean IgE

Test Code: **ALLWBNEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2815  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLWBNEz: 0.3(0.2)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Yeast IgE**

Test Code: **ALLYEAEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2845X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLYEAEz: 0.3(0.2)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Yeast IgG**

Test Code: **ALLYEAGz** CPT:86001  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 39545  
 Turn-around-time: Setup: Sunday, Wednesday, Friday. Report avail 1ü-3 days  
**Special Instructions:** **ALLYEAGz: 0.3(0.2)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days; Frozen: 30 days*

---

**Allergen, Yellow Hornet IgE**

Test Code: **ALLYHVEz** CPT:86003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 2735X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days  
**Special Instructions:** **ALLYHVEz: 0.3(0.2)ml Sü-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergen, Yellow Jacket IgE**

Test Code: **ALLYJVEz**

CPT: 86003

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2733

Turn-around-time:

Setup: Monday thru Saturday. Report available 1-3 days

**Special Instructions:**

**ALLYJVEz: 0.3(0.2)ml Sü-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days; Frozen: 30 days

**Allergy, Childhood Panel**

Test Code: **ALLPCAz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 10659X

Turn-around-time:

Setup: Monday thru Saturday. Report available 2-4 days.

**Special Instructions:**

**ALLPCAz: 5(2)ml S-RT**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

7

*Childhood Allergy (Food and Environmental) Profile*

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days;

Frozen: 30 days

**CLINICAL SIGNIFICANCE:** IgE Allergens tested:

*Food: Codfish, Cows Milk, Egg White, Peanut, Shrimp, Soybean, Walnut & Wheat*

*Mold: Alternaria alternate, Cladosporium herbarum,*

*Dermatophagoides farina & Dermatophagoides pteronyssinus,*

*Other: Cat Dander, Dog Dander, Cockroach & Mouse Urine Proteins*

**Allergy, Food Profile**

Test Code: **ALLPFz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 10715X

Turn-around-time:

Setup: Monday thru Saturday. Report available 2-4 days.

**Special Instructions:**

**ALLPFz: 2.5(1.5)ml S-RT**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

3.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

**SPECIMEN STABILITY:** Room temp: 14 days; Refrig: 14 days;

Frozen: 30 days

**CLINICAL SIGNIFICANCE:** IgE allergens tested:

*Egg White, Milk, Codfish, Wheat, Hazelnut, Sesame Seed, Peanut, Soybean, Shrimp, Cashew, Walnut, Scallop, Almond, Salmon, Tuna*

---

**Allergy, Respiratory Prof XIV**

Test Code: **ALLP14z** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10668X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 2-4 days.  
**Special Instructions:** ALLP14z: 4(2.5)ml S-RT

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

*Respiratory Allergy Profile Region XIV*  
**COLLECTION NOTES:**  
**REJECTION CRITERIA:**  
**LAB NOTES:**  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days;*  
*Frozen: 30 days*  
**CLINICAL SIGNIFICANCE: Region: Calif central valley**  
*Alder, Alternaria alternata, Aspergillus fumigatus, Bermuda grass, Birch, Cat dander, Cladosporium herbarum, Cockroach, Common ragweed (short), Dermatophagoides farina, Dermatophagoides pteronyssinus, Dog dander, Elm, Mountain cedar, Mouse Urine Proteins, Mugwort, Oak, Olive, Penicillium notatum, Rough pigweed, Russian thistle, Sycamore, Timothy grass, White mulberry*

---

**Allergy, Respiratory Prof XVII**

Test Code: **ALLP17z** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10658X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 2-4 days.  
**Special Instructions:** ALLP17z: 5(2.5)ml S-RT

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

*Respiratory Allergy Profile Region XVII*  
**COLLECTION NOTES:**  
**REJECTION CRITERIA:**  
**LAB NOTES:**  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 14 days;*  
*Frozen: 30 days*  
**CLINICAL SIGNIFICANCE: Region: Northwestern Calif, Western Oregon and Washington**  
*Includes Total IgE in addition to IgE antibody testing for:*  
*Alder, Alternaria alternata (a mold), Aspergillus fumigatus, Birch, Cat dander, Cladosporium herbarum, Cockroach, Common ragweed (short), Cottonwood, Dermatophagoides farina, Dermatophagoides pteronyssinus, Dog dander, Elm, Maple (box elder), Mountain cedar, Mouse Urine Proteins, Nettle, Oak, Penicillium notatum, Rough pigweed, Sheep sorrel, Timothy grass, Walnut tree, White ash*

---

**Alpha 2 Antiplasmin**

Test Code: **A2APz** CPT:8541090  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4953

Turn-around-time:

Special Instructions: **A2APz: 1 ml PLZ (FRZ)**

Age (Y)

0-100

Container

Blue Sodium Citrate

4953

Alpha 2-Antiplasmin

32% Sodium Citrate (lt blue-top)

STABILITY: Room Temp: 8 hours; Refrig: 24 hours; Frozen: 14 days

No alternative specimen type available

### Alpha Fetopro,Am FI Ach/HbF

Test Code: **AFAFz** CPT:82106

Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 232Z

Turn-around-time: Setup: 3 days week; Report 2-4 days

Special Instructions: **Avo contaminating amniotic fld w/ bld.AFAFz:3(1.5)ml Amfl-Rf**

Age (Y)

0-100

Container

Amniotic Fluid

Volume (mLs)

10

Alpha-Fetoprotein, Amniotic Fluid with Reflex to AchE and Fetal Hgb

COLLECTION NOTES:

REJECTION CRITERIA:

LAB NOTES: Gestational age (13-24 weeks) must be provided for interpretation of results Indicate gestational age, collection date, clinical indications and the AFP and MoM results, if available, on the test request form

SPECIMEN STABILITY: Room temp: 14 days; Refrig: 21 days;

Frozen: 1 yr

CLINICAL SIGNIFICANCE:

Test components: Alpha-Fetoprotein, Amniotic Fluid with Reflex to Acetylcholinesterase, Fetal Hemoglobin

### Alpha Fetoprotein Tumor Marker

Test Code: **AFPTMz** CPT:82105

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 237

Turn-around-time: Setup: Tuesday through Saturday. Report in 1-2 days.

Special Instructions: **AFPTMz: 1(0.5)ml S-Rf**

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

2

COLLECTION NOTES:

REJECTION CRITERIA: Grossly lipemic

LAB NOTES:

SPECIMEN STABILITY: Room temp: 7 days; Refrig: 7 days; Frozen: 28 days

CLINICAL SIGNIFICANCE: Elevation of serum AFP above values found in healthy individuals occurs in several malignant diseases, most notably nonseminomatous testicular cancer and primary hepatocellular carcinoma AFP is not recommended as a screening procedure to detect cancer in the general population



### Alpha Subunit

Test Code: **ALSUBz** CPT:83519  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8658  
 Turn-around-time: Setup: Tuesday and Friday. Report in 3-5 days.  
**Special Instructions:** Avoid hemolysis. **ALSUBz: 1(0.5)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
**REJECTION CRITERIA:** gross hemolysis, grossly icteric, plasma  
**LAB NOTES:**  
**SPECIMEN STABILITY:** Room temp: 7 days; Refrig: 10 days;  
 Frozen: 28 days  
**CLINICAL SIGNIFICANCE:** This assay is useful in the diagnosis and management of various pituitary, placental, pancreatic and hCG-producing tumors The assay can also be useful for investigations where alpha subunit is increased under various physiological stimuli, eg, GnRH stimulation and TRH stimulation tests  
 Alternative Name(s) :  
 Glycoprotein Alpha Subunit, Alpha Subunit of the Gonadotropin, Pituitary Glycoprotein Hormone Alpha Subunit, Gonadotropin Alpha Subunit, Alpha Subunit of Pituitary

### Alpha-1 Antitrypsin

Test Code: **A1ATz** CPT:82103  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 235  
 Turn-around-time: Setup: Tuesday, Thursday, Saturday. Report in 2-4 days.  
**Special Instructions:** Overnight fasting is preferred. **A1ATz: 1(0.5)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*  
**REJECTION CRITERIA:**  
**LAB NOTES:** Allow to clot for 20 to 30 minutes Centrifuge for 10 minutes at 850g  
**SPECIMEN STABILITY:** Room temp: 72 hours; Refrig: 7 days;  
 Frozen: 90 days  
**CLINICAL SIGNIFICANCE:** Alpha-1-Antitrypsin level may be increased in normal pregnancy and in several diseases including chronic pulmonary disease, hereditary angioedema; renal, cirrhosis, respiratory distress syndrome of the newborn, nephrosis, malnutrition and cachexia

### Alpha-1 Antitrypsin, Mutation

Test Code: **A1ATMz** CPT:81332  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 15340X  
 Turn-around-time: Setup: Monday, Wednesday, Friday. Report in 5-8 days.  
**Special Instructions:** **A1ATMz: 5(2.0)ml WB-RT**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Ambient	6

**COLLECTION NOTES:**

**REJECTION CRITERIA:** Received frozen

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 8 days; Refrig: 8 days

Frozen: Unacceptable

**CLINICAL SIGNIFICANCE:** Individuals who carry two copies (homozygous) for the Z allele are at a higher risk to develop liver disease and emphysema

**Alpha-1 Antitrypsin, Qnt&Phen**

Test Code: **AAPz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 39521X

Turn-around-time:

Setup:Quant Tue,Thur,Sat.Report 2-4 days.Pheno:Mon,Wed, Fri.

**Special Instructions:** Overnight fasting is preferred. A1ATPHz: 2(0.6)ml S-Rf

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

**COLLECTION NOTES:**

**REJECTION CRITERIA:** Specimen at room temperature

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: N/A; Refrig: 7 days; Frozen: 30 days

**CLINICAL SIGNIFICANCE:** Decreased or absent serum levels of alpha 1-antitrypsin, a protease inhibitor (Pi), may be found in some patients with early-onset emphysema and childhood cirrhosis. Genetic typing of Pi shows that normal individuals have 2 M genes, Pi type MM, and normal alpha-1-antitrypsin levels. Individuals who have the phenotype ZZ, or SS, or SZ, have no, or very low, levels of alpha-1-AT. MS and MZ heterozygotes have indeterminate levels of alpha-1-AT. It is uncertain whether these individuals have abnormalities of lung function.

**ALPHA-FETOPROTEIN MATERNAL**

Test Code: **AFPMz**

CPT:8210590

Dept: Reference Non Interfaced Blood Prefix: ZB

Turn-around-time:

**Special Instructions:** 4 mL SST \*

Age (Y)	Container
0-100	Serum Separator Tube

**ALPHA FETOPROTEIN (AFP) MATERNAL:**

**PROCESSING:**

SPIN SPECIAL 4ML-SST TUBE AND SEND UNOPENED TO STATE

REQUIRES SPECIAL FORM SUPPLIED BY MD OFFICE

MNE:AFPMz

**Billing:** Hospital sends insurance information with specimen to NSURL / NQURL. Information is entered in their system. They provide a report of testing performed with billing information to the state. CA State bills patient directly.

**Alprazolam (Xanax)**

Test Code: **ALPRAZ**

CPT:80154

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 4741X

Turn-around-time:

**Special Instructions:** 2 mL S PROT LIGHT AMB \*

Age (Y)

0-100

Container

Blue Dark Prot-Light

4741X

Alprazolam (21592)

Serum

No additive (dark blue-top); Red-top (no gel); EDTA (lavender-top); Sodium heparin (green-top)

2 mL

Room Temp: 72 Hours , Refrig: Not Established , Frozen: Not Established

Ship room temperature

Wrap tube in aluminum foil to protect from light

### Aluminum

Test Code: **ALUMz**

CPT:82108

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 2958

Turn-around-time:

Setup: Monday, Wednesday, Saturday. Report available 1-4 day

**Special Instructions:** See Collection Notes. ALUMz: 2(0.7)mL S-Rt

Age (Y)

0-100

Container

Royal Blue TM Serum

Volume (mLs)

2

*COLLECTION NOTES: Draw one royal blue top (no additive or EDTA) tube of blood and discard Draw second royal blue top tube Allow to clot in an upright position*

*REJECTION CRITERIA:*

*LAB NOTES: Centrifuge and pour (do not pipette) the serum or plasma into an acid washed or metal-free vial*

*SPECIMEN STABILITY: Room temp: 4 days; Refrig: 14 days; Frozen: 30 days*

*CLINICAL SIGNIFICANCE: Individuals undergoing hemodialysis are at risk for aluminum toxicity Prolonged accumulation may cause anemia, encephalopathy, and vitamin D-resistant osteomalacia Also, workers exposed to high levels or to long-term low levels of aluminum dust are at increased risk of toxicity*

*Specimen Requirements: 2 mL (07 mL minimum) serum collected in a no additive (royal blue-top) trace element tube*

### Amino Acid Analysis,Plasma

Test Code: **AMNz**

CPT:82139

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 767X

Turn-around-time:

Setup: Monday thru Saturday. Report available 5-6 days.

**Special Instructions:** Collect at least 4 hrs after meal. AMNz: 2(0.25)mL P-Fz

Age (Y)

0-100

Container

Green Frozen

Volume (mLs)

4

*COLLECTION NOTES: Collect plasma specimens after an overnight fast (or a least 4 hours after a meal) Non-fasting samples are acceptable for pediatric patients*

*REJECTION CRITERIA: Specimen at room temperature or hemolysis*

*LAB NOTES: Plasma should be separated from cells as soon as*

possible after collection Freeze plasma Patient age is required for correct reference range  
 SPECIMEN STABILITY: Room temp: N/A; Refrig: 7 days; Frozen: 30 days  
 CLINICAL SIGNIFICANCE: Amino acids serve many functions including as building blocks for proteins, neurotransmitters, precursors to hormones, and enzyme co-factors More than 70 disorders of amino acid metabolism have been described The clinical manifestations of these disorders are diverse

---

### Amino Acid Analysis,Ur by LCMS

Test Code: **AMUz** CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 36183X  
 Turn-around-time: Setup: Mon, Wed and Fri. Report available 6-9 days  
 Special Instructions: **AMUz: 2(0.5)mL UR-Fz**

Age (Y)	Container	Volume (mLs)
0-100	Urine Frozen	1

COLLECTION NOTES: No preservative  
 REJECTION CRITERIA: Specimen at room temperature Preservative used Urine with pH less than 20 will be rejected  
 LAB NOTES: Patient age and sex is required for correct reference range and interpretation SPECIMEN STABILITY: Room temp: N/A; Refrig: 7 days; Frozen: 30 days  
 CLINICAL SIGNIFICANCE: Amino acid analysis is necessary for the diagnosis of a variety of inborn errors of metabolism These include, but are not limited to, phenylketonuria, tyrosinemia, citrullinemia, non-ketotic hyperglycinemia, maple syrup urine disease, and homocystinuria The assay is also key for the continued monitoring of treatment plans for these disorders and useful for assessing nutritional status of patients Our methodology is highly accurate at very low levels as well as at elevated levels

---

### Amiodarone

Test Code: **AMIOz** CPT:82492  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36721  
 Turn-around-time: Setup: Tuesday, Thursday, Saturday. Report available 2 days.  
 Special Instructions: **No gel tubes. AMIOz: 3(1)ml S-Rf**

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel)	3

ALTERNATE CONTAINERS: Plasma, green or lavender  
 COLLECTION NOTES:  
 REJECTION CRITERIA: Gel  
 LAB NOTES: Centrifuge and Immediately separate serum from cells  
 SPECIMEN STABILITY: Room temp: 2 days; Refrig: 4 days; Frozen: 30 days  
 CLINICAL SIGNIFICANCE: Amiodarone is an antiarrhythmic drug Therapeutic drug monitoring is useful to monitor compliance and avoid toxicity

---

### Amitriptyline

Test Code: **AMITz** CPT:80152

# LABORATORY INFORMATION MANUAL

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 423  
 Turn-around-time: Setup: Tuesday thru Saturday. Report available 2-4 days.  
**Special Instructions:** No gel tubes. See Collection Notes. AMITz: 3(1.5)ml S-Rt

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	4

*ALTERNATE CONTAINERS: Plasma, green or lavender*  
*COLLECTION NOTES: Collect at steady-state trough concentrations*  
*Specimen should be collected 12 hours after dose*  
*REJECTION CRITERIA: Gel, specimen frozen, gross hemolysis*  
**LAB NOTES:**  
*SPECIMEN STABILITY: Room temp: 5 days; Refrig: 7 days; Frozen: N/A*  
*CLINICAL SIGNIFICANCE: The tricyclics are used to treat depression Nortriptyline is an active metabolite of Amitriptyline Therapeutic drug levels are monitored to assist the physician assessing therapeutic response and to avoid toxicity*

---

## Ammonia

Test Code: **AMMON** CPT:82140  
 Dept: Chemistry Prefix: C  
 Turn-around-time:  
**Special Instructions:** PLACE TUBES ON ICE. SEE COLLECTION NOTES.

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin on ICE	0.5

*COLLECTION NOTES: Do NOT use tourniquet if possible as it may elevate ammonia levels*  
*Place ice inside a biohazard bag and seal the bag Place specimen in outside pocket of the bag Place this bag in another biohazard bag and seal outer bag DO NOT: place specimen directly on ice or inside gloves Deliver to Lab immediately*  
*REJECTION CRITERIA: Specimen not on ice*  
**LAB NOTES:** Analyze within 30 minutes after centrifugation, and tubes must be tightly stoppered at all times

---

## Amylase

Test Code: **AMY** CPT:82150  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

## Amylase, 24hr Ur Quant

Test Code: **AMYU24** CPT:82150  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:  
**Special Instructions:** AMYU24 - Keep refrigerated during collection

<u>Age (Y)</u>	<u>Container</u>
----------------	------------------

0-100

24 Hour Urine Container

CPT: 82150

**Amylase, Isoenzymes**

Test Code: **AMISz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 845  
 Turn-around-time: Setup: Tuesday thru Saturday. Report available 2-4 days.  
**Special Instructions:** **AMISz: 1(0.5)ml S-Rt**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 30 days; Frozen: 30 days*  
*CLINICAL SIGNIFICANCE: Amylase is produced primarily in the pancreas and salivary glands Isoenzymes may be used to determine the source of an elevated amylase concentration*

**Amylase, Ur**

Test Code: **AMYLU** CPT:82150  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	0.5

**Anaplasma phagocytophilum PCR**

Test Code: **APPCRz** CPT:8779890  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17320  
 Turn-around-time: Setup: Monday thru Saturday. Report available 1-3 days.  
**Special Instructions:** **APPCRz: 0.7(0.3) ml WB-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	4.5

*ALTERNATE SPECIMENS: Tick in a sterile tube*  
*COLLECTION NOTES:*  
*REJECTION CRITERIA: frozen*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 48 Hours; Refrig: 7 Days ; Frozen: not applicable*  
*CLINICAL SIGNIFICANCE: Human granulocytic ehrlichiosis (HGE) DNA PCR is a highly sensitive and specific method to detect the agent responsible for HGE, ehrlichia equi and ehrlichia phagocytophilia This assay does not recognize sequences for the human ehrlichial pathogen ehrlichia chaffeensis The diagnosis of HGE infection should be considered in conjunction with clinical presentation and additional established clinical tests*  
*A negative PCR result indicates the absence of HGE at detectable levels in the sample tested and does not exclude the diagnosis of*

disease

**ANCA Screen**

Test Code: **ANCAz** CPT:86021  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 70171X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 3-5 days.  
**Special Instructions:** **ANCAz: 1(0.5) mL S-REF**

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 7 Days ; Refrig: 14 Days ; Frozen: 30 Days*  
*INCLUDES: If ANCA Screen is positive, C-ANCA Titer and/or P-ANCA Titer, and/or atypical P-ANCA Titer will be performed at an additional charge (CPT code(s): 86021 for each titer performed)*  
*CLINICAL SIGNIFICANCE: Testing for anti-neutrophil cytoplasmic antibodies (P-ANCA and/or C-ANCA and/or atypical P-ANCA) has been found to be useful in establishing the diagnosis of suspected vascular diseases, inflammatory bowel disease, as well as other autoimmune diseases*

**ANCA Screen, MPO/PR3 wRFLX**

Test Code: **PANCAz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 70159X  
 Turn-around-time: Setup: Monday thru Saturday. Report available 3-5 days.  
**Special Instructions:** **PANCAz: 2(0.8) ml S-RF**

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	3.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 7 Days ; Refrig: 14 Days; Frozen: 30 days*  
*INCLUDES: ANCA Screen with Reflex to ANCA Titer, Myeloperoxidase Ab (MPO), Proteinase-3 Antibody*  
*If ANCA Screen is positive, C-ANCA Titer and/or P-ANCA Titer and/or atypical P-ANCA Titer will be performed at an additional charge (CPT code(s): 86021 for each titer performed)*  
*CLINICAL SIGNIFICANCE: Testing for anti-neutrophil cytoplasmic antibodies (P-ANCA and/or C-ANCA) has been found to be useful in establishing the diagnosis of suspected vascular diseases, inflammatory bowel disease, as well as other autoimmune diseases*

**Androstenedione**

Test Code: **ANDRz** CPT:82157  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17182  
 Turn-around-time:  
**Special Instructions:** **NO GEL TUBES. ANDRz:1(0.25)ml S-Rf**

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel)	4

*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 29 days; Frozen: 2 years*

---

**Androstenedione**

Test Code: **ANDRz** CPT:82157  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17182  
 Turn-around-time:

**Special Instructions: NO GEL TUBES. ANDRz:1(0.25)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	4

*ALTERNATE CONTAINERS: Lavender, Royal blue and green tubes*  
*REJECTION CRITERIA: Gel in specimen container*  
*LAB NOTES:*

---

**Angiotensin Converting Enz,CSF**

Test Code: **ACECSz** CPT:82164  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 34692  
 Turn-around-time: Setup: Tuesday thru Saturday. Report available 1-2 days.

**Special Instructions: ACECSz: 1(0.2)ml CSF-Fz**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Vial/Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 4 days; Refrig: 7 days; Frozen: 60 days*  
*CLINICAL SIGNIFICANCE: This test is useful in diagnosing patients with sarcoidosis involving the central nervous system and meninges*

---

**Angiotensin Converting Enzyme**

Test Code: **ACEz** CPT:82164  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 683  
 Turn-around-time: Setup: Tuesday thru Saturday. Report available 1-2 days.

**Special Instructions: ACEz: 1(0.2)ml S-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES: Centrifuge refrigerated within 1 hour of collection*  
*Separate serum from clot*  
*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 7 days; Frozen: 60 days*  
*CLINICAL SIGNIFICANCE: This test is useful in evaluating patients presenting with sarcoidosis, Gauchers disease and lymphoangiomyomatosis in that the enzyme is increased in these clinical settings*



**Antibody Identification ABID**

Test Code: *ABID* CPT:86870  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time:  
Age (Y)  
 0-100

**Antibody Screen**

Test Code: *ABS* CPT:86850  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Result Pending  
Age (Y)  
 0-100

**Antidepressant Panel, Urine**

Test Code: *ANTIDEz* CPT:8010190  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 30708  
 Turn-around-time: Setup: Monday thru Saturday. Report available 2-3 days.  
**Special Instructions:** *ANTIDEz: 5(1.0) ml U-RT*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Cup (MIC)	1

*COLLECTION NOTES: No preservative*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 5 Days; Refrig: 7 Days ;*  
*Frozen: 30 days*  
*INCLUDES: Amitriptyline, Nortriptyline, Imipramine, Desipramine,*  
*Doxepin, Clomipramine and Fluoxetine*

**Antifungal Itraconazole Level**

Test Code: *ITRAz* CPT:82492  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 94092  
 Turn-around-time: Setup: Monday, Wednesday, Friday. Report available 1-3 days.  
**Special Instructions:** *No gel tubes. ITRAz: 2(1)ml S-Rf*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	2

*COLLECTION NOTES:*  
*REJECTION CRITERIA: Gel*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 3 days; Refrig: 14 days; Frozen:*  
*30 days*  
*CLINICAL SIGNIFICANCE: The antifungal drug itraconazole is*  
*active in the treatment of aspergillosis, blastomycosis,*  
*histoplasmosis, sporotrichosis, and onychomycosis It is a*  
*protein-bound drug and thus has negligible CSF penetration It*  
*may also be utilized in the treatment of systemic candidiasis and*  
*cryptococcosis, especially when other drugs are contraindicated*

*or ineffective The chronic nature of fungal infections demands constant monitoring of itraconazole levels within a patient to ensure that adequate therapeutic levels of the drug are administered, absorbed and subsequently excreted*

---

### Antiphospholipid Ab Panel

Test Code: **APHZ** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 14890X  
 Turn-around-time: Setup : Varies. See Clinical Significance in user notes.  
**Special Instructions:** ASEz: 5(3)ml S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	7

#### *COLLECTION NOTES:*

*REJECTION CRITERIA: Hemolyzed, gross lipemia*

*LAB NOTES: For extended stability , centrifuge within one hour of collection*

*SPECIMEN STABILITY: Room Temp: 4 days; Refrig, 7 days, Frozen: 28 days*

*CLINICAL SIGNIFICANCE: Beta-2-Glycoprotein 1, apolipoprotein H, is a cofactor in antiphospholipid antibody binding and is the critical antigen in the antiphospholipid antibody syndrome Beta-2-Glycoprotein 1 Antibody is more specific than Cardiolipin Antibody that may express reactivity in patients with syphilis and other infectious diseases*

*Phosphatidylserine antibody is used to assist in the diagnosis, management, and possible prevention of thrombotic complications as part of the Phospholipid Syndrome The Antibody Panel provides a more specific measurement of antibodies useful in the confirmation of Antiphospholipid Syndrome*

*Set up: Sun-Fri; Report available: 2-3 days*

*Cardiolipin antibodies (CA) are seen in a subgroup of patients with autoimmune disorders, particularly systemic lupus erythematosus (SLE), who are at risk for vascular thrombosis, thrombocytopenia, cerebral infarct and/or recurrent spontaneous abortion Elevations of CA associated with increased risk have also been seen in idiopathic thrombocytopenic purpura, rheumatoid and psoriatic arthritis, and primary Sj grens syndrome*

---

### Apolipoprotein A1

Test Code: **ALOPAZ** CPT:82172  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 5223  
 Turn-around-time: Setup: Tuesday and Friday. Report available 3-7 days.  
**Special Instructions:** ALOPAz: 1(0.5)ml S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1.5

#### *COLLECTION NOTES:*

*REJECTION CRITERIA: Grossly lipemic*

*LAB NOTES:*

*SPECIMEN STABILITY: Room Temp: 7 days ; Refrig: 10 days ; Frozen: 90 days*

*CLINICAL SIGNIFICANCE: Apolipoprotein A1 is the primary protein associated with HDL cholesterol Like HDL cholesterol, increased concentrations are associated with reduced risk of cardiovascular*

disease

### Apolipoprotein A1 & B

Test Code: **APOA1Bz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7018  
 Turn-around-time: Setup: Monday through Saturday. Report available 1-2 days.

**Special Instructions:** APOA1Bz: 1(0.5)ml S-RT

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*

*REJECTION CRITERIA:* Grossly lipemic

*LAB NOTES:*

*SPECIMEN STABILITY:* Room temp: 7 days; Refrig: 10 days; Frozen: 90 days

*CLINICAL SIGNIFICANCE:* Apolipoprotein A1 is the primary protein associated with HDL cholesterol. Like HDL cholesterol, increased concentrations are associated with reduced risk of cardiovascular disease. Apolipoprotein B-100 is the primary protein associated with LDL cholesterol and other lipid particles. Like LDL cholesterol, increased concentrations are associated with increased risk of cardiovascular disease. The ratio of these two apolipoproteins correlates with risk of cardiovascular disease.

### Apolipoprotein B

Test Code: **APOLBz** CPT:82172  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 5224  
 Turn-around-time: Setup: Monday through Saturday. Report available 1-2 days.

**Special Instructions:** APOLBz:1(0.5)S-RF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*

*REJECTION CRITERIA:* grossly lipemic

*LAB NOTES:*

*SPECIMEN STABILITY:* Room Temp: 7 days; Refrig: 10 Days; Frozen: 90 days

*CLINICAL SIGNIFICANCE:* Apolipoprotein B (APO B) has been reported to be a powerful indicator of CAD. In some patients with CAD, APO B is elevated even in the presence of normal LDL cholesterol.

### Arginine Vasopressin

Test Code: **ARGz** CPT:84588  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 252X  
 Turn-around-time: Setup: Tuesday, Thursday, Saturday. Report available 5-6 days.

**Special Instructions:** Prechill tube. Keep on ice. ARGz: 4(2.5)ml S-FZ

Age (Y)	Container	Volume (mLs)
0-100	Lavender Ice	1.5

*COLLECTION NOTES:* Draw blood in a pre-chilled lavender-top tube and keep tube chilled

*REJECTION CRITERIA:* received not frozen

*LAB NOTES:* Centrifuge and freeze immediately

*SPECIMEN STABILITY: Room Temp: 1 Hour ; Refrig: 6 Hours ;*

*Frozen: 6 months;*

*CLINICAL SIGNIFICANCE: Antidiuretic Hormone (also called ADH or Vasopressin) regulates water reabsorption in the kidney, reducing diuresis and increasing blood volume and pressure The syndrome of inappropriate release of ADH (SIADH) occurs with neoplasia, pulmonary disorders (eg, pneumonia and tuberculosis), CNS disorders, and with specific drugs*

*Alternative Name(s)*

*ADH, Vasopressin, AVP, Antidiuretic Hormone*

**Arsenic, Bld**

Test Code: **ARSBz**

CPT:82175

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 269

Turn-around-time:

**Special Instructions: 4 mL WB REF \***

Age (Y)

Container

Volume (mLs)

0-100

Royal EDTA

2

269

*Arsenic, Blood*

*Whole blood*

*EDTA (royal blue-top); Sodium heparin (royal blue-top)*

*4 mL*

*Room Temp: 10 Days , Refrig: 10 Days , Frozen: Unacceptable*

*Ship room temperature*

*Avoid worksite collection Tests performed on a specimen submitted in a non-trace element tube or non acid washed/non*

*metal free container may not accurately reflect the patients*

*level If a non-trace element tube/container is received, it will*

*be accepted for testing However, elevated results shall be*

*reported with a message that a re-submission with a trace element*

*tube/container is recommended Carefully clean skin prior to*

*venipuncture Avoid seafood consumption for 48 hours prior to*

*sample collection*

**Aspartate Amino Transferase**

Test Code: **AST**

CPT:84450

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

Container

Volume (mLs)

0-100

Green Li Heparin PST

1

**Aspergillus Antibodies, Serum**

Test Code: **ASPaz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 20341X

Turn-around-time:

Setup: Tues thru Sat. Report available 3-6 days.

**Special Instructions: ASPaz: 1(0.1)ml S-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube Ambient

3.5

*COLLECTION NOTES:*

**REJECTION CRITERIA:**

**LAB NOTES:**

*SPECIMEN STABILITY: Room Temp: 7 Days ; Refrig: 14 Days ;*

*Frozen: 30 days*

*CLINICAL SIGNIFICANCE: Aspergillus is a group of molds*

*Aspergillosis ranges in severity and includes allergy-type*

*illness, allergic bronchopulmonary aspergillosis, aspergillous*

*sinusitis, aspergilloma, and invasive aspergillosis Infection is*

*more common in patients who are immunocompromised Earlier*

*diagnosis contributes to effective medical treatment*

**Aspergillus Antigen, Serum**

Test Code: **AAGz**

CPT:87305

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 14950

Turn-around-time:

Setup: Tuesday and Friday. Report available 1-4 days.

**Special Instructions:**

**AAGz:2(1.0)ml S-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

1

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room Temp: Unacceptable; Refrig: 5 days;*

*Frozen: 5 months at -70*

*CLINICAL SIGNIFICANCE: The Aspergillus EIA is used for the*

*detection of galactomannan antigen in serum The Aspergillus EIA*

*is an aid in the early diagnosis of invasive aspergillosis This*

*assay is to be used and test results interpreted in conjunction*

*with other conventional diagnostic procedures such as*

*microbiological culture, histologic examination of biopsy samples*

*and other signs and symptoms for detection of Aspergillus*

*infection*

**B. pertussis IgG Ab**

Test Code: **BPGABz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 17826

Turn-around-time:

**Special Instructions:**

**Serum Separator Tube 1 mL R(REF)**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

2

*17826X*

*Bordetella pertussis IgG Antibodies, MAID (42250)*

*Serum*

*Red-top (no gel); SST (red-top/plastic)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature*

**B. pertussis IgG, IgA Abs**

Test Code: **BTGAz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 17825

Turn-around-time:

Setup: Mon to Fri. Reports in 1-4 days.

**Special Instructions:**

**BTGAz: 1(0.5)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room Temp: 7 Days ; Refrig: 14 Days*

*Frozen: 30 days*

*CLINICAL SIGNIFICANCE: Antibody levels above the reference range are highly suggestive of recent infection or vaccination*

**B. pertussis/parapertus PCR**

Test Code: <b>BPERz</b>	CPT:		
Dept: Reference Microbiology	Prefix: ZM	Quest Diagnostics Nichols Inst	11365X
Turn-around-time:	Setup: Daily reports in 2-3 days.		
<b>Special Instructions:</b>	<b>See Collection Notes. BPERz: NP Swab-RF</b>		
<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>	
0-100	Nasopharyngeal Swab (MIC)	1	

*COLLECTION NOTES: NP Swab in Amies collection tube NP Aspirate in sterile tube also accepted*

*REJECTION CRITERIA: Specimen in gel Amies*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: N/A Refrig: 7 days;*

*Frozen: 30 days*

*CLINICAL SIGNIFICANCE: Bordetella pertussis is the cause of whooping cough that may occur in unimmunized individuals B parapertussis is a related organism that causes a similar but milder disease Laboratory diagnosis may require both culture and serological confirmation although culture is difficult*

**B. pertussis/parapertus Smear**

Test Code: <b>BPErSz</b>	CPT:		
Dept: Reference	Prefix: Z	Quest Diagnostics Nichols Inst	34966
Turn-around-time:			
<b>Special Instructions:</b>	<b>Slide ; T(AMB) *</b>		
<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>	
0-100	Slide	1	

*34966  
 Bordetella pertussis/parapertussis Smear, DFA  
 Nasopharyngeal slide; Nasopharyngeal swab  
 Glass Slide; eSwab Transport System ;  
 Nasopharyngeal swab Glass Slide Room Temp: 7 Days , Refrig: 7 Days , Frozen: Unacceptable ;  
 eSwab Transport System: Room Temp: 48 Hours , Refrig: 48 Hours , Frozen: Unacceptable  
 Ship room temperature; Ship room temperature  
 Preferred specimen is nasopharyngeal swab collected in ESwab Mini-tip transport system (blue-cap) Mini-tip swabs with flexible shafts must be used to obtain nasopharyngeal specimens  
 Alternatively, two (2) air-dried slides with one or two smears on each, prepared from a nasopharyngeal swab or aspirate, packaged*

*in slide carrier is acceptable Single slides will only be stained for B pertussis*  
*Amies or Stuart transport without charcoal can also be used Note that Amies or Stuart are not acceptable for culture*  
*Transport temperature refrigerated (Cold-Pak) is preferred*

---

**B2 Microglobulin, Serum**

Test Code: **B2Mz** CPT:82232  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 852  
 Turn-around-time: Setup: Monday thru Thursday. Report available 3-7 days.  
**Special Instructions: Overnight fasting preferred. B2Mz: 1(0.5) ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION INSTRUCTIONS:*  
*REJECTION CRITERIA: Hemolysis, lipemia*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 5 Days ; Refrig: 7 Days ; Frozen: 30 Days*  
*CLINICAL SIGNIFICANCE: Beta-2-microglobulin normally passes through the glomerulus into the proximal tubule where much of it is reabsorbed Serum levels are therefore an index of glomerular function When impaired, serum levels rise in inverse ratio to glomerular filtration rate Increased amounts of beta-2-microglobulin are excreted in several renal disorders, eg, Balkan nephropathy, heavy metal poisoning and renal tubular disease due to therapeutic agents Serial levels of beta-2-microglobulin in serum and urine are used to evaluate transplant viability and anticipate rejection Following a successful graft, serum levels decline toward normal Increasing serum levels provide an early sign of rejection Elevated levels are also noted in lymphproliferative disorders, neoplasms (malignant and benign), inflammatory disease, and autoimmune diseases such as systemic lupus erythematosus (SLE) and Sj grens disease*

---

**Bartonella Ab, IgG,M**

Test Code: **BARz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34251X  
 Turn-around-time: Setup: 3 days a week. Report available 1-2 days.  
**Special Instructions: BARz: 1(0.2)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	2

*COLLECTION INSTRUCTIONS:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 4 Days; Refrig: 5 Days ; Frozen: 30 Days*  
*CLINICAL SIGNIFICANCE: Includes Bartonella henselae IgG, IgM; Bartonella quintana IgG, IgM If B henselae (IgG) screen is positive, the B henselae (IgG) titer will be performed at an additional charge (CPT code(s): 86611)*

If *B quintana* (IgG) screen is positive, the *B quintana* (IgG) titer will be performed at an additional charge (CPT code(s): 86611)

If *B henselae* (IgM) screen is positive, the *B henselae* (IgM) titer will be performed at an additional charge (CPT code(s): 86611)

If *B quintana* (IgM) screen is positive, the *B quintana* (IgM) titer will be performed at an additional charge (CPT code(s): 86611)

**BBK Antibody (Immune) Titer**

Test Code: *TITER* CPT:86886  
 Dept: Blood Bank Ref/Misc Testing Prefix: BZ  
 Turn-around-time: Results Pending  
 Age (Y)  
 0-100

**BCR-ABL1 Kinase Domain Mutat**

Test Code: *BCRKz* CPT:8140390  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16876  
 Turn-around-time:  
**Special Instructions:** *BCRKz: Lavender Top 6 mL R(REF)\**  
 Age (Y) Container  
 0-100 Lavender

16876

*BCR-ABL1 Kinase Domain Mutation, 35-Nucleotide Insertion*

*Whole blood (See Collection Instructions)*

*Bone Marrow - See Collection Instructions*

6 mL

*Room Temp: 72 Hours , Refrig: 72 Hours , Frozen: Unacceptable Ship Refrigerated*

*Preferred sample type is whole blood Bone marrow is acceptable INSTRUCTION: Collect 6 mL of whole blood or 3 mL bone marrow in lavender-top (EDTA) tube Whole blood or bone marrow is shipped refrigerated Do not freeze whole blood or bone marrow After collection of the sample, draw date and time, as well as sample type, must be written on the tube and included as requested information Ship sample immediately due to short stability of 72 hours If the stability of the sample cannot be determined, delay in result or cancellation of test may occur*

**Beta HCG, Quantitative**

Test Code: *HCGQ* CPT:84702  
 Dept: Chemistry Prefix: C  
 Turn-around-time:  
 Age (Y) Container Volume (mLs)  
 0-100 Green Li Heparin PST 1

**LAB NOTES:** *High doses of Biotin may interfere with assay. See Notification, page 12.*



**Beta HCG, Quantitative**

Test Code: *HCGQNT* CPT:84702  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Green Li Heparin PST

*LAB NOTES: High doses of Biotin may interfere with assay. See Notification, page 12.*

**Beta-2 Glyco Abs IgG, IgA,IgM**

Test Code: *B2Gz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30340X  
 Turn-around-time:

**Special Instructions:** 3 mL PL REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue Sodium Citrate	2.70000004768 37198

*30340X  
 Beta2-Glycoprotein I Antibodies (IgG, IgA, IgM)  
 Plasma  
 32% Sodium Citrate (lt blue-top); Red-top (no gel); SST  
 (red-top/glass); SST (red-top/plastic)  
 3 mL  
 Room Temp: 5 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature  
 Centrifuge light blue-top tube 15 minutes at approx 1500 g  
 within 60 minutes of collection Using a plastic pipette, remove  
 plasma, taking care to avoid the WBC/platelet buffy layer and  
 place into a plastic vial Centrifuge a second time and transfer  
 platelet-poor plasma into a new plastic vial Plasma must be free  
 of platelets (<10,000/mcl) Centrifuge red top tube 15 minutes at  
 approx 1500 g within 24 hours of collection*

**Beta-2 Transferrin**

Test Code: *B2TFz* CPT:86335  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 10640  
 Turn-around-time: Setup: Monday thru Friday; Reports next day.

**Special Instructions:** B2TFz: 0.5(0.2) ml FL-RT

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Cup (MIC)	0.29999999999 999999

*COLLECTION INSTRUCTIONS: Submit 05 ml body fluid (nasal,  
 otic,etc) in a sterile, leak-proof container  
 REJECTION CRITERIA: CSF specimens  
 LAB NOTES:  
 SPECIMEN STABILITY: Room temp: 30 days; Refrig: 30 days;  
 Frozen: 30 days  
 CLINICAL SIGNIFICANCE: The presence of Beta-2 Transferrin in  
 nasal or ear fluid, or in wound drainage following head trauma,  
 surgery or from tumors or congenital malformation, clearly  
 indicates CSF leaking into these passages or fluids creating a*

*pathway for life-threatening central nervous system infection*

---

**Beta-Hydroxybutyric Acid**

Test Code: **BOHB** CPT:  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

Age (Y)	Container	Volume (mLs)
0-100	Green Li Heparin PST	2

---

**Bile Acids, Total**

Test Code: **BILEZ** CPT:82239  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 14801  
 Turn-around-time:

**Special Instructions: 0.5 mL S REF \***

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

*14801  
 Bile Acids, Total (780)  
 Serum  
 SST (red-top/glass); SST (red-top/plastic)  
 05 mL  
 Room Temp: Unacceptable , Refrig: 7 Days , Frozen: Indefinite  
 Ship refrigerated  
 Centrifuge within 1 hour Fasting for at least 8 hours is  
 required*

---

**Bile Acids, Total & Fract**

Test Code: **BILEZ** CPT:83789  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4668X  
 Turn-around-time: Setup: Sun thru Friday. Reports in 3-5 days

**Special Instructions: Overnight fasting preferred. BILEZ: 1(0.2)ml S-RF**

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

*COLLECTION INSTRUCTIONS:  
 REJECTION CRITERIA:  
 LAB NOTES: centrifuge sample and pour off serum into a  
 transport tube  
 SPECIMEN STABILITY: Room Temp: 14 days ; Refrig: 21 days  
 Frozen: 30 days  
 CLINICAL SIGNIFICANCE: Bile acids are formed in the liver, from  
 cholesterol, stored and concentrated in the gallbladder, and  
 excreted into the intestines in response to food Elevated  
 concentrations often suggest impaired hepatic clearance due to  
 liver disease Patients with intestinal malabsorption and  
 metabolic disorders such as Gilberts disease do not exhibit  
 elevated bile acids concentrations*

---

**Bilirubin Neonatal Panel**

Test Code: **BILNP**

CPT:

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)  
0-100

Container  
Green Li Heparin PST

**Bilirubin Total**

Test Code: **TBIL**

CPT:82247

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)  
0-100

Container  
Green Li Heparin PST

Volume (mLs)  
1

**Bilirubin Total & Direct**

Test Code: **BILTD**

CPT:

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)  
0-100

Container  
Green Li Heparin PST

**Bilirubin, Direct**

Test Code: **DBILI**

CPT:82248

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)  
0-100

Container  
Green Li Heparin PST

Volume (mLs)  
1

**BK Vir DNA Qual RT PCR, PI**

Test Code: **BKVQLz**

CPT:87798

Dept: Reference Microbiology

Prefix: ZM

Quest Diagnostics Nichols Inst 11351

Turn-around-time:

**Special Instructions:** 0.7 mL; 0.7 mL; 0.7 mL PL or S or WB REF

Age (Y)  
0-100

Container  
Lavender

Volume (mLs)  
3

11351

*BK Virus DNA, Qualitative Real-Time PCR, Plasma (48900)*

*Plasma; Serum; Whole blood*

*EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B*

*(yellow-top); Red-top (no gel); EDTA (lavender-top); ACD solution*

*A (yellow-top); ACD solution B (yellow-top)*

*07 mL; 07 mL; 07 mL*

*Room Temp: 48 Hours, Refrig: 7 Days, Frozen: 30 Days; Room*

*Temp: 48 Hours, Refrig: 7 Days, Frozen: 30 Days; Room Temp: 48*

*Hours, Refrig: 8 Days, Frozen: Do Not Freeze*

*Ship refrigerated; Ship refrigerated; Ship refrigerated*

**BK Vir DNA Qual RT PCR, Ur**

Test Code: *BKVURz* CPT:87798  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 16553X  
 Turn-around-time:

**Special Instructions:** 0.7 mL R UR REF

Age (Y)	Container	Volume (mLs)
0-100	Urine Sterile Cup	1

*16553X  
 BK Virus DNA, Qualitative Real-Time PCR, Urine (48901)  
 Random urine  
 Sterile leak-proof container  
 07 mL  
 Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days  
 Ship frozen*

**BK Vir DNA RT-PCR**

Test Code: *BKVz* CPT:87799  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 11274  
 Turn-around-time:

**Special Instructions:** Lavender PL WB 0.7 mL; 0.7 mL; 0.7 mL R(REF)

Age (Y)	Container	Volume (mLs)
0-100	Lavender	6

*11274  
 BK Virus DNA, Quantitative Real-Time PCR, Plasma (47900)  
 Plasma; Serum; Whole blood - Ship refrigerated  
 EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B  
 (yellow-top); SST (red-top/plastic); SST (red-top/glass); EDTA  
 (lavender-top); ACD solution A (yellow-top); ACD solution B  
 (yellow-top)  
 07 mL; 07 mL; 07 mL  
 Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days*

**Blastomyces Antibody**

Test Code: *BTABSz* CPT:86612  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 933X  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

*933X  
 Blastomyces Antibody, Complement Fixation, Serum (40180)  
 Serum  
 Red-top (no gel); SST (red-top/plastic)  
 1 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature*

**Bld Ur Nitrgn Dialysis T-Group**

Test Code: **BUNDT** CPT:84520  
 Dept: Chemistry Prefix: C  
 Turn-around-time:  
     Age (Y)                                      Container  
     0-100    Green Li Heparin PST

---

**Blood Culture**

Test Code: **BC** CPT:  
 Dept: Blood Cultures Prefix: BC  
 Turn-around-time:  
**Special Instructions:** See Collection Notes  
     Age (Y)  
     0-100

---

**Bone Marrow Culture**

Test Code: **BMC** CPT:  
 Dept: Blood Cultures Prefix: BC  
 Turn-around-time:  
     Age (Y)  
     0-100

---

**Brucella Antibodies, IgG,M**

Test Code: **BRUSz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 91068  
 Turn-around-time:  
**Special Instructions:** 1 mL S REF  
     Age (Y)                                      Container                                      Volume (mLs)  
     0-100    Serum Separator Tube                                      2

*91068  
 Brucella Antibodies (IgG, IgM), EIA with Reflex to Agglutination  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature (Okay to thaw)*

---

**PBNP-Type Natriuretic Peptide**

Test Code: **PBNP** CPT:83880  
 Dept: Chemistry Prefix: C  
 Turn-around-time:  
     Age (Y)                                      Container                                      Volume (mLs)  
     0-100    Lavender    3

*Specimen Stability: Room temp: Varies by ministry  
 Northern California: from 4 to 7 hours*

LAB NOTES: *High doses of Biotin may interfere with assay. See Notification, page 12.*

### C1 Esterase Inhibitor, Prot

Test Code: **C1ESz** CPT:86160  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 298  
 Turn-around-time: Setup: Mon to Sat. Reports next day.

Special Instructions: **C1ESz: 1(0.5)ml S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 8 days*  
*Frozen: 1 year*  
*CLINICAL SIGNIFICANCE: The C1 esterase inhibitor protein is a normal constituent of serum which functions as a serine proteinase inhibitor of the serpin family. The C1 esterase inhibitor inhibits the complement proteases C1r and C1s, as well as the proteases kallikrein, factor XIa, XIIa and plasmin of the blood clotting system. The concentration of C1 esterase inhibitor protein is reduced to 10-30% of normal in patients with angioedema secondary to C1 esterase inhibitor deficiency (85% of patients with Hereditary Angioedema (HAE)); In 15% of patients with HAE, the concentrations of the inhibitor protein is normal but function is markedly reduced.*

### C1 Inhibitor Functional

Test Code: **C1IFz** CPT:86161  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 297  
 Turn-around-time: Setup: Mon to Sat in PM. Reports the same day.

Special Instructions: **No gel. C1IFz: 1(0.2)ml S-FZ**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1

*COLLECTION NOTES: No gel*  
*REJECTION CRITERIA: Gel in container or glass container used*  
*Specimen not frozen Lipemia*  
*LAB NOTES: Freeze serum within one hour of specimen collection*  
*Do not submit the sample in a glass tube*  
*SPECIMEN STABILITY: Room temp: N/A; Refrig: N/A*  
*Frozen: 30 days*  
*CLINICAL SIGNIFICANCE: C1 esterase is decreased in angioedema. The inherited form is usually diagnosed in the first two decades of life. The acquired form affects primarily adults with autoimmune or lymphoproliferative disorders. Approximately 15% of patients with hereditary angioedema have a normal concentration of the protein but it is dysfunctional.*

### CA 125 Antigen

Test Code: **CA125** CPT:86304

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

0-100

Container

Green Li Heparin PST

*LAB NOTES: High doses of Biotin may interfere with assay. See Notification, page 12.*

**CA 125 w HAMA treatment**

Test Code: *CA125Hz*

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 17717

Turn-around-time:

**Special Instructions:** SST 1 mL R(REF)

Age (Y)

0-100

Container

Serum Separator Tube

17717

CA 125 with HAMA treatment

Serum

Red-top (no-gel) preferred; SST (red-top)

Stability Room temp: 10 days; Refrig: 12 days; Frozen: 28 days

**CA 15-3**

Test Code: *CA153z*

CPT:86300

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 5819

Turn-around-time:

Setup: Tues thru Sat. Reports in 3 days.

**Special Instructions:** CA153z: 1(0.5) ml S-RF

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

2

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 7 days*

*Frozen: 28 days*

*CLINICAL SIGNIFICANCE: CA 15-3 may be useful for monitoring patients with metastatic breast cancer and certain ovarian cancers The CA 15-3 values from sequential samples have a high correlation with the clinical course in most patients with metastatic breast cancer*

**CA 15-3 Antigen**

Test Code: *CA153*

CPT:86300

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

0-100

Container

Green Li Heparin PST

*LAB NOTES: High doses of Biotin may interfere with assay. See Notification, page 12.*

**CA 19-9**

Test Code: **CA19z** CPT:86301  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4698  
 Turn-around-time: Tues thru Sat. Reports 1-2 days.

**Special Instructions:** CA19z: 1(0.5) ml S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION INSTRUCTIONS:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 7 days;*  
*Frozen: 28 days*  
*CLINICAL SIGNIFICANCE: A large percentage of patients with gastrointestinal tumors (such as pancreatic, liver, gastric, colorectal tumors) and some other malignancies have been shown to have elevated serum CA 19-9 levels Serum CA 19-9 levels may be useful for monitoring disease activity or predicting relapse following treatment CA 19-9 should not be used as a screening test*

**CA 27.29**

Test Code: **CA27z** CPT:86300  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 29493  
 Turn-around-time: Setup: Tues through Sat. Reports in 1-2 days.

**Special Instructions:** CA27z: 1(0.5)ml S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*  
*REJECTION CRITERIA: Gross hemolysis*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 7 days*  
*Frozen: 28 days*  
*CLINICAL SIGNIFICANCE: CA 2729 may be useful for monitoring patients for metastatic breast cancer*

**Cadmium, Blood**

Test Code: **CADBz** CPT:82300  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 299  
 Turn-around-time: Setup: Mon, Wed, Fri. Reports in 1 day.

**Special Instructions:** CADBz: 4(2)ml WB-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal EDTA	2

*COLLECTION INSTRUCTIONS: Phlebotomist should wear powder-less gloves*  
*Test susceptible to environmental contamination*  
*REJECTION CRITERIA: Clotted specimen*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 14 days; Refrig 14 days*



Frozen: 14 days

*CLINICAL SIGNIFICANCE: Cadmium is a naturally occurring element that is mined and used in industrial production because of its durability. Excessive cadmium exposure can damage lungs, kidneys, and the digestive tract.*

---

### Cadmium, Ur

Test Code: **CADRUZ**

CPT:

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 672X

Turn-around-time:

**Special Instructions: 7 mL R UR REF \***

Age (Y)

Container

Volume (mLs)

0-100

Acid Washed Container

3

672X

*Cadmium, Random Urine*

*Random urine*

*Acid washed container; Metal free container*

*7 mL*

*Room Temp: 5 Days, Refrig: 7 Days, Frozen: 14 Days*

*Ship room temperature*

*Avoid worksite collection. Collect urine in an acid washed or metal free plastic container. Tests performed on a specimen submitted in a non-trace element tube or non acid washed/non metal free container may not accurately reflect the patient's level. If a non-trace element tube/container is received, it will be accepted for testing. However, elevated results shall be reported with a message that a re-submission with a trace element tube/container is recommended.*

---

### Calcitonin

Test Code: **CALCIz**

CPT:82308

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 30742

Turn-around-time:

Setup: Mon, Wed, Fri. Reports in 3-6 days.

**Special Instructions: Overnight fasting preferred. CALCIz: 1 (0.5)ml S-FZ**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA: Gross hemolysis*

*LAB NOTES: Spin to separate serum and transfer to plastic screw-cap vial. Freeze immediately and submit to laboratory frozen.*

*SPECIMEN STABILITY: Room Temp: unacceptable; Refrig: 24 hrs*

*Frozen: 28 days*

*CLINICAL SIGNIFICANCE: Calcitonin concentration is increased in patients with medullary thyroid carcinoma. Calcitonin concentrations may be used to monitor disease.*

---

### Calcium

Test Code: **CA**

CPT:82310

Dept: Chemistry

Prefix: C

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

**Calprotectin, Stool**

Test Code: **CALSTz** CPT:83993  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 16796  
 Turn-around-time: Setup: Sun thru Thurs; Reports in 3-6 days.  
**Special Instructions:** No fixative or preservative. CALSTz: 1(0.3)gm STL-FZ

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Stool Frozen	1

*COLLECTION NOTES: Do not add fixative or preservative*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 11 Days, Refrig: 11 Days*  
*Frozen: 1 year*  
*CLINICAL SIGNIFICANCE: Diagnose inflammatory bowel disease (IBD), including Crohns disease and ulcerative colitis Differentiate IBD from irritable bowel syndrome (IBS) NSAIDs may cause elevated results*

**Candida albicans Abs (IgG/A/M)**

Test Code: **CALBz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30440X  
 Turn-around-time: Setup: Tues thru Sat; Reports in 1-3 days.  
**Special Instructions:** CALBz: 1(0.2) mL S-RT

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 7 Days, Refrig: 14 Days*  
*Frozen: 30 Days*  
*CLINICAL SIGNIFICANCE: Candidiasis is a fungal infection that may cause localized or systemic disease The severity of infection is broad extending to life threatening Acute and convalescent titers should be compared*

**Carbamazepine (Tegretol) Level**

Test Code: **CARBAM** CPT:80156  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Carbon Dioxide Level**

Test Code: **CO2** CPT:82374

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

0-100

Container

Green Li Heparin PST

Volume (mLs)

0.5

**Carcinoembryonic Ag**

Test Code: *CEA*

CPT:82378

Dept: Chemistry Special

Prefix: CS

Turn-around-time:

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

0.5

*LAB NOTES: High doses of Biotin may interfere with assay. See Notification, page 12.*

**Carcinoembryonic Ag, Pleural**

Test Code: *CEAPLF1z*

CPT:82378

Dept: Reference Fluid

Prefix: ZF

Quest Diagnostics Nichols Inst 17584

Turn-around-time:

**Special Instructions: 3 mL PLEURAL FLD REF**

Age (Y)

0-100

Container

Body Fluid

Volume (mLs)

1

*17584*

*CEA, Pleural Fluid*

*Pleural fluid*

*Sterile transport tube*

*3 mL*

*Room Temp: 7 Days , Refrig: 28 Days , Frozen: 28 Days*

*Ship frozen (Okay to thaw)*

**Cardio IQ(TM) ApoE Genotype**

Test Code: *APOEGz*

CPT:81401

Dept: Reference Microbiology

Prefix: ZM

Quest Diagnostics Nichols Inst 90649

Turn-around-time:

**Special Instructions: 4 mL WB FRZ \***

Age (Y)

0-100

Container

Lavender Frozen

Volume (mLs)

3

*90649*

*Cardio IQ(TM) ApoE Genotype*

*Whole blood*

*EDTA (lavender-top); Celera DNA Collection kit; See collection instructions*

*4 mL*

*Room Temp: 8 Days , Refrig: 8 Days , Frozen: 30 Days*

*Ship frozen*

*Cardio IQ(TM) related tests must be transported frozen Multiple (up to 8) cardiovascular-related genetic tests can be performed on a single specimen A second lavender-top (EDTA) tube is*

required if non-genetic tests are simultaneously ordered that require a lavender-top (EDTA) tube For whole blood samples, follow normal phlebotomy procedures Buccal Swab collection must use either: DNA Collection Kit (Buccal Swab) Celera Diagnostics, Alameda, CA Catalog #5002737 Buccal Swab Collection Kit DNA Genotek, Ottawa, ON Catalog #OC-100 For Buccal Swabs, follow manufacturers collection instructions

### Cardiolipin Ab (IgG,IgM)

Test Code: **CARDLz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36333  
 Turn-around-time:  
**Special Instructions:** **CARDLz: Light Blue Top Plasma R(REF)**  
Age (Y) Container  
 0-100 Blue Sodium Citrate

36333

Cardiolipin Ab IgG, IgM

32% Sodium Citrate plasma (lt blue-top)

STABILITY: Room Temp: 4 days; Refrig: 7 days; Frozen: 30 days

No alternative specimen type available

### Carnitine

Test Code: **CARNz** CPT:82379  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 70107X  
 Turn-around-time: Setup: Mon, Wed, Fri-Sat; Reports in 4-6 days.  
**Special Instructions:** **CARNz: 1(0.4) mL S-FZ**  
Age (Y) Container Volume (mLs)  
 0-100 Serum Separator Tube Frozen 2

ALTERNATE CONTAINER: Sodium Heparain (green top)

COLLECTION NOTES:

REJECTION CRITERIA: Specimen room temperature

LAB NOTES:

SPECIMEN STABILITY: Room Temp: 5 Hrs, Refrig: 5 Days,

Frozen: 30 Days

CLINICAL SIGNIFICANCE: Serum carnitine analysis is useful in the diagnosis and monitoring of patients with carnitine deficiency (either primary or secondary) Primary carnitine deficiency is an autosomal recessively inherited genetic condition that affects carnitine uptake by cells and tissues through a defect in the plasma membrane carnitine transporter Secondary carnitine deficiency can be seen in some disease states or in patients on carnitine-poor diets, but is also seen in a number of metabolic disorders In these disorders, carnitine complexes with the accumulated substrate of the blocked metabolic step, and the resulting acylcarnitine ester is excreted in the urine, leading to a depletion of carnitine in the patient

Includes: Carnitine, Total; Carnitine, Free; Carnitine, Esters; Esterified/Free Ratio

### Carotene

Test Code: **CAROTz** CPT:82380  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 311

Turn-around-time: Setup: Mon thru Sat; Reports in 2-3 days.  
**Special Instructions:** Protect from light. CAROTz: 2(0.7) mL S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red Prot-Light	3

*COLLECTION NOTES: Overnight fasting is preferred*  
*REJECTION CRITERIA: Received room temp; not protected from light*  
*LAB NOTES: Separate serum from cells ASAP Send serum in an amber tube or wrap tube in aluminum foil to protect from light*  
*SPECIMEN STABILITY: Room Temp: 3 days, Refrig: 7 Days, Frozen: 30 Days*  
*CLINICAL SIGNIFICANCE: Beta Carotene, a fat soluble nutrient, is a precursor to vitamin A Deficiencies may lead to vitamin A deficiency Excessive vitamin A intake may lead to headaches, loss of appetite, nausea and diarrhea, skin changes, and potential birth defects*

---

**Catecholamines, Fractionated**

Test Code: **CATPz** CPT:82384  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 314X  
 Turn-around-time: Monday thru Friday; Reports in 3-6 days.  
**Special Instructions:** Collect on ice. Overnight fasting. CATPz: 4(2.5) mL P-FZ

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin on ICE	4

*COLLECTION NOTES: Patient should avoid alcohol, coffee, tea, tobacco and strenuous exercise prior to collection Patients should be relaxed in either a supine or upright position before blood is drawn States of anxiety and stress can cause fluctuations in the catecholamine levels Draw specimen in a pre-chilled green-top vacutainer*  
*REJECTION CRITERIA: Not frozen*  
*LAB NOTES: Plasma should be separated in a refrigerated centrifuge within 30 minutes of collection and then frozen*  
*SPECIMEN STABILITY: Room Temp: 6 Hrs, Refrig: 6 Hrs Frozen: 30 Days*  
*CLINICAL SIGNIFICANCE: The three catecholamines (norepinephrine, epinephrine, and dopamine) are the principal secretory products of neural tissue Clinically, the measurement of circulating catecholamines is valuable in the diagnosis of catecholamine secreting tumors associated chiefly with hypertension (pheochromocytomas, neuroblastomas, and gangliomas) and with the evaluation of orthostatic hypotension*  
*Limitations: Recent surgery, traumatic injury, upright posture, cold, anxiety, pain, clonidine withdrawal, and concurrent acute or chronic illness may produce elevated results*

---

**Catecholamines, Ur**

Test Code: **CATRz** CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 5244  
 Turn-around-time: Mon thru Friday; Reports in 3-5 days.  
**Special Instructions:** CATRz: 10(5) mL U-FZ

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	1

*COLLECTION NOTES: It is preferable for the patient to be off medications for three days prior to collection. However, common antihypertensives (diuretics, ACE inhibitors, calcium channel blockers, alpha and beta blockers) cause minimal or no interference. Patient should avoid alcohol, coffee, tea, tobacco and strenuous exercise prior to collection.*

*REJECTION CRITERIA: pH > 30 and received unfrozen*

*LAB NOTES: After urine collection, add 6N HCl to maintain a pH below 3*

*SPECIMEN STABILITY: Room temp: N/A; Refrig: N/A*

*Frozen: 28 days*

*CLINICAL SIGNIFICANCE: The three catecholamines (Norepinephrine, epinephrine, and dopamine) are the principal secretory products of neural tissue. Clinically, the measurement of circulating catecholamines is valuable in the diagnosis of catecholamine secreting tumors associated chiefly with hypertension (pheochromocytomas, neuroblastomas, and gangliomas) and with the evaluation of orthostatic hypotension.*

*Limitations*

*Recent surgery, traumatic injury, upright posture, cold, anxiety, pain, clonidine withdrawal, and concurrent acute or chronic illness may produce elevated results*

### Catecholamines, Ur 24hr

Test Code: **CATUz**

CPT:

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 39627X

Turn-around-time: Setup: Mon - Fri; Reports in 3-5 days

**Special Instructions: Diet instructions. Refrig during collection. CATUz: 10(5) mL**

Age (Y)

0-100

Container

24 Hour Urine W/HCL

Volume (mLs)

5

*SPECIMEN STABILITY: Room temp: N/A; Refrig: N/A*

*Frozen: 28 days*

*CLINICAL SIGNIFICANCE: The three catecholamines (Norepinephrine, epinephrine, and dopamine) are the principal secretory products of neural tissue. Clinically, the measurement of circulating catecholamines is valuable in the diagnosis of catecholamine secreting tumors associated chiefly with hypertension (pheochromocytomas, neuroblastomas, and gangliomas) and with the evaluation of orthostatic hypotension.*

*Limitations*

*Recent surgery, traumatic injury, upright posture, cold, anxiety, pain, clonidine withdrawal, and concurrent acute or chronic illness may produce elevated results*

### Catecholamines, Ur 24hr

Test Code: **CATUz**

CPT:

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 39627X

Turn-around-time: Setup: Mon - Fri; Reports in 3-5 days

**Special Instructions: Diet instructions. Refrig during collection. CATUz: 10(5) mL**

Age (Y)

0-100

Container

24 Hour Urine W/HCL

Volume (mLs)

5

*COLLECTION NOTES: It is preferable for the patient to be off medications for three days prior to collection. However, common antihypertensives (diuretics, ACE inhibitors, calcium channel blockers, alpha and beta blockers) cause minimal or no interference. Patient should avoid alcohol, coffee, tea, tobacco and strenuous exercise prior to collection.*

*REJECTION CRITERIA: pH > 30 and received unfrozen*

*LAB NOTES: After urine collection, add 6N HCl to maintain a pH below 3*

**CBC w/ Differential**

Test Code: **CBC** CPT:85025  
 Dept: Hematology Prefix: H  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

**Celiac Disease II w/RFX Endomy**

Test Code: **CELD2RXz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 9578  
 Turn-around-time:

**Special Instructions: 6.0 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

9578

*Celiac Disease Panel 2 with Reflex to Endomysial Antibody Titer Serum*

*Red-top (no gel); SST (red-top)*

*60 mL*

*Room Temp: 48 Hours, Refrig: 7 Days, Frozen: 21 Days*

*Ship refrigerated*

*Rejection Criteria: Grossly lipemic*

**Cell Count & Diff, Body Fl**

Test Code: **CDFLD** CPT:89051  
 Dept: Hematology Fluids Prefix: HF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	2

**Cell Count & Diff, CSF**

Test Code: **CDCSF** CPT:89051  
 Dept: Hematology Fluids Prefix: HF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	CSF Tube (MIC)	2

**Cell Count & Diff, Pericardial**

Test Code: *CDPCF* CPT:89051  
 Dept: Hematology Fluids Prefix: HF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	2

**Cell Count & Diff, Peritoneal**

Test Code: *CDPTF* CPT:89051  
 Dept: Hematology Fluids Prefix: HF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	2

**Cell Count & Diff, Pleural**

Test Code: *CDPLF* CPT:89051  
 Dept: Hematology Fluids Prefix: HF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	2

**Cell Count & Diff, Synovial**

Test Code: *CDSYF* CPT:89051  
 Dept: Hematology Fluids Prefix: HF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	2

**Centromere B Antibody**

Test Code: *CENABz* CPT:86038  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16088  
 Turn-around-time: Setup: Mon - Sat; 1-2 days

Special Instructions: **CENABz: 1(0.5) mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room Temp: 4 days; Refrig: 7 days*

*Frozen: 30 days*

*CLINICAL SIGNIFICANCE: Centromere B Antibody is diagnostic for*



*the form of scleroderma known as CREST (calcinosis, Raynauds phenomenon, esophageal immotility, sclerodactyly, and telangiectasia)*

**Ceruloplasmin**

Test Code: **CERUz** CPT:82390  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 326  
 Turn-around-time: Tue - Sat; Reports in 1-3 days.  
**Special Instructions: Overnight fasting preferred. CERUz: 1(0.5) mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 7 days; Refrig: 60 days*  
*Frozen: 90 days*  
*CLINICAL SIGNIFICANCE: Decreased levels of ceruloplasmin are found in Wilsons Disease, fulminant liver failure, intestinal malabsorption, renal failure resulting in proteinuria, chronic active hepatitis and malnutrition Elevated levels are found in primary biliary cirrhosis, pregnancy (first trimester), oral contraceptive use and in acute inflammatory conditions since ceruloplasmin is an acute phase reactant*  
*Alternative Name(s): Ferroxidase, Copper Oxidase, Copper Binding Globulin*

**Chlamydia Panel IgM**

Test Code: **CHP2z** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37126X  
 Turn-around-time:  
**Special Instructions: 1 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

**Chlamydia Pneumoniae IgG,A,M**

Test Code: **CPNGAMz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37111X  
 Turn-around-time:  
**Special Instructions: 1 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

**Chlamydia Psittaci IgG,A,M**

Test Code: **CPSGAMz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37346X  
 Turn-around-time:  
**Special Instructions: 1 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>

### Chlamydia Trach GC RNA, Swab

Test Code: **CTGCz** CPT:  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 11363  
 Turn-around-time: Setup: Mon-Sat; Reports in 2 days  
**Special Instructions: CTGCz: Swab in APTIMA-RF**  
Age (Y) Container  
 0-100 Sterile Swab (MIC)

*ACCEPTABLE SPECIMENS:*  
 Endocervical Swab  
 Urethral Swab  
 Vaginal Swab  
*REJECTION CRITERIA: Non Aptima transport tubes Two swabs in container Broken transport container*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 60 Days , Refrig: 60 Days; Frozen 1 year*  
*CLINICAL SIGNIFICANCE: C trachomatis infections are the leading cause of sexually transmitted diseases in the United States C trachomatis is known to cause cervicitis, pelvic inflammatory disease (PID), epididymitis and proctitis It is also the most frequent cause of non-gonococcal urethritis in men Among women, the consequences of Chlamydial infections are severe if left untreated Approximately half of Chlamydial infections are asymptomatic*  
*Neisseria gonorrhoeae (gonococci) is the causative agent of gonorrhea In men, this disease generally results in anterior urethritis accompanied by purulent exudate In women, the disease is most often found in the cervix, but the vagina and uterus may also be infected*

### Chlamydia Trach GC RNA, Urine

Test Code: **CTGCUz** CPT:  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 11363  
 Turn-around-time: Setup: Mon-Sat; Reports in 2 days  
**Special Instructions: CTGCUz: 2ml Ur in APTIMA-RF. Send to lab < 12 hrs**  
Age (Y) Container Volume (mLs)  
 0-100 Aptima Combo 2 Assay Kit 2

*COLLECTION NOTES: Patient should not have urinated within one hour prior to collection Female patients should not cleanse the labial area prior to providing the specimen Direct patient to provide a first-catch urine (maximum 30 mL of the initial urine stream) into a urine collection cup free of any preservatives*  
*REJECTION CRITERIA: Non Aptima transport tubes*  
*LAB NOTES: Add 2 mL of urine specimen into the APTIMA (yellow label) specimen transport tube within 24 hours of collection*

*SPECIMEN STABILITY: Room Temp: 30 Days , Refrig: 30 Days*

*Frozen: 1 Year*

*CLINICAL SIGNIFICANCE: C trachomatis infections are the leading cause of sexually transmitted diseases in the United States C trachomatis is known to cause cervicitis, pelvic inflammatory disease (PID), epididymitis and proctitis It is also the most frequent cause of non-gonococcal urethritis in men Among women, the consequences of Chlamydial infections are severe if left untreated Approximately half of Chlamydial infections are asymptomatic*

*Neisseria gonorrhoeae (gonococci) is the causative agent of gonorrhea In men, this disease generally results in anterior urethritis accompanied by purulent exudate In women, the disease is most often found in the cervix, but the vagina and uterus may also be infected*

**Chlamydia Trachomatic IgG,A,M**

Test Code: **CTGAMz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 36581X

Turn-around-time:

**Special Instructions: 1 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

**Chloride**

Test Code: **CL**

CPT:82435

Dept: Chemistry

Prefix: C

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Cholesterol Level**

Test Code: **CHOL**

CPT:82465

Dept: Chemistry

Prefix: C

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Cholesterol, HDL**

Test Code: **HDL**

CPT:83718

Dept: Chemistry

Prefix: C

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Cholesterol, LDL Direct**

Test Code: **LDLD**

CPT:83721

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

0-100

Container

Green Li Heparin PST

Volume (mLs)

0.5

### Cholinesterase Plasma

Test Code: **CHOLPLz**

CPT:82480

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 90368

Turn-around-time:

**Special Instructions: 1 mL PL REF \***

Age (Y)

0-100

Container

Lavender

Volume (mLs)

3

*11-26-13 EBM: Draw a lavender-top (EDTA) tube of whole blood  
Spin tube to separate plasma Pour plasma into plastic aliquot  
tube and refrigerate until shipping Ship plasma sample  
refrigerated Do not send packed cells Do not send one tube of  
whole blood*

### Cholinesterase Plasma and RBC

Test Code: **CHOLPLRz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 90372

Turn-around-time:

**Special Instructions: 5 mL WB REF & 1 mL PL REF \***

Age (Y)

0-100

Container

Lavender

Volume (mLs)

6

*11-26-13 EBM: Draw two lavender-top (EDTA) tubes of whole blood  
Spin one tube to separate plasma Pour plasma into plastic  
aliquot tube (Label this vial as Plasma) Send one 5 mL  
refrigerated uncentrifuged whole blood (4 mL minimum) and 1 mL  
refrigerated plasma (0.5 mL minimum) Do not send packed cells  
Do not send only one tube of whole blood Plasma cholinesterase  
results, as well as the calculated RBC cholinesterase results,  
are not accurate if plasma sample is not separated from the RBCs  
in a timely manner Hemolyzed plasma samples are not acceptable  
Hemolysis can lead to apparent increases in plasma cholinesterase  
activity, and could mask an enzyme deficiency*

### Chromatin (Nucleosomal) Ab

Test Code: **CHRABz**

CPT:86235

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 34088

Turn-around-time:

**Special Instructions: 1 mL S REF**

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

1

### Chromium, Bld

Test Code: **CHRMWBz**

CPT:82495

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 6085

Turn-around-time:

Special Instructions: 4 mL WB REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal EDTA	1

*11-26-13 EBM: To avoid contamination, use powderless gloves Draw one royal blue top tube of blood and discard Draw second royal blue top tube Patient should refrain from taking mineral supplements and multi-vitamin three days prior to specimen collection*

**Chromium, Plasma**

Test Code: **CRz** CPT:82495  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3484X

Turn-around-time:

Special Instructions: 2 mL PL REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal EDTA	3

**Chromium, Ur**

Test Code: **CHRMUZ** CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 11278X

Turn-around-time:

Special Instructions: 2 mL R UR REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Acid Washed Container	1

**Chromogranin A, ECL**

Test Code: **CHRAz** CPT:86316  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16379

Turn-around-time: Setup: Sun thru Fri; Reports in 1-5 days.

Special Instructions: **CHRAz: 0.8(0.3) S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

**COLLECTION NOTES:**

**REJECTION CRITERIA:** Grossly hemolyzed, lipemic, and icteric specimens

**LAB NOTES:**

**SPECIMEN STABILITY:** Room Temp: 7 days; Refrig: 7 days

Frozen: 35 days

**CLINICAL SIGNIFICANCE:** Chromogranin A (CgA) is the major protein within the catecholamine storage vesicles of the adrenal medulla CgA has been shown to be co-released with polypeptide hormones from the following endocrine tissues: pancreatic islet cells, enteroendocrine cells, parathyroid chief cells, thyroid parafollicular C cells, and anterior pituitary cells CgA concentrations may be elevated in patients with various endocrine

*neoplasms, eg , anterior pituitary adenoma, parathyroid adenoma, medullary thyroid carcinoma, carcinoid tumor, and pancreatic islet cell tumor*

**Citric Acid, Ur 24hr**

Test Code: *CITR24z* CPT:82507  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 11315X  
 Turn-around-time:

**Special Instructions:** 10 mL 24UR REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	2

**Clonazepam**

Test Code: *CLONz* CPT:80154  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 340  
 Turn-around-time:

**Special Instructions:** 2 mL S ASAP FRZ \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel) Frozen	3

**Clozapine**

Test Code: *CLOZz* CPT:83789  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 1769  
 Turn-around-time:

**Special Instructions:** 2 mL S REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	3

**Cobalt, Blood**

Test Code: *COBz* CPT:83018  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 35417  
 Turn-around-time:

**Special Instructions:** 4 mL WB REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal EDTA	3

**Coccidioides Abs to TP Ag**

Test Code: *COCATPz* CPT:86635  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 90799  
 Turn-around-time: Setup: Monday thru Friday. Report avail 2-5 days.

**Special Instructions:** COCATPz: 0.1(0.025)ml S-Rf  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days; Frozen: 30 days*

*CLINICAL SIGNIFICANCE: TP antibodies represent IgM antibodies to*

*Coccidioides Their detection indicates recent, active infection*

**Coccidioides Abs to TP&F Ag**

Test Code: **COCATPFz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 19963

Turn-around-time:

Setup: Tuesday thru Saturday. Report avail 3-6 days.

**Special Instructions:**

**COCATPFz: 0.5(0.1)ml S-Rf**

Age (Y)  
0-100

Container  
Serum Separator Tube

Volume (mLs)  
2

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days; Frozen: 30 days*

*CLINICAL SIGNIFICANCE: Antibodies to Coccidioides TP antigen*

*usually appear during the first week of infection, and remain*

*detectable for approximately 5 months; their detection indicates*

*recent, active infection Antibodies to Coccidioides F antigen*

*appear within a month of infection, and remain detectable for up*

*to a year thereafter*

**Coccidioides Antibody (by CF)**

Test Code: **COCACFS1z**

CPT:86635

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 906

Turn-around-time:

Setup: Tues thru Saturday; Reports in 2-5 days.

**Special Instructions:**

**COCACFS1z: 1(0.2)mL S-RF**

Age (Y)  
0-100

Container  
Serum Separator Tube

Volume (mLs)  
2

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

*SPECIMEN STABILITY: Room Temp: 7 Days , Refrig: 14 Days*

*Frozen: 30 days*

*CLINICAL SIGNIFICANCE: Infection by Coccidioides immitis can*

*produce a spectrum of disease, with most patients being*

*asymptomatic and some developing disseminated disease, including*

*pneumonia and meningitis*

**Coccidioides Antibody (by ID)**

Test Code: **COCAz**

CPT:86635

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 908X

Turn-around-time:

Setup: Mon thru Sat; Reports 1-4 days.

**Special Instructions:**

**COCAz: 1(0.1)mL S-RF**

Age (Y)  
0-100

Container  
Serum Separator Tube

Volume (mLs)  
0.5

**COLLECTION NOTES:**

**REJECTION CRITERIA:**

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days*

*Frozen: 30 days*

*CLINICAL SIGNIFICANCE: Antibodies against the Coccidioides immitis*

*F antigen, usually positive within 4 weeks of infection, indicate active or recent (up to one year) infection The TP antigen is usually positive within 1 week of infection and reverts to non-detectable within a few months*

**Coenzyme Q10**

Test Code: **CQ10z**

CPT:82491

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 19826

Turn-around-time:

Setup: Tues, Thurs, Sat; Reports in 2-4 days.

**Special Instructions:**

**Protect from light. CQ10z: 1(0.5) mL S-FZ**

Age (Y)

Container

Volume (mLs)

0-100

SST Frozen-Prot Light

2

*COLLECTION NOTES: Patient should be fasting 8-12 hours Patient may have water*

*It is not necessary to discontinue nutritional supplements before this test*

*REJECTION CRITERIA: Thawed, not protected from light*

*LAB NOTES: Send serum in an amber vial or wrap vial in foil*

*SPECIMEN STABILITY: Room temp: N/A; Refrig: N/A*

*Frozen: 7 days*

*CLINICAL SIGNIFICANCE: Coenzyme Q10 (CoQ10) is a fat soluble cofactor that is essential for energy producing metabolic pathways and for the proper functioning of the mitochondrial oxidative system With insufficient CoQ10, the electron transfer activity of the mitochondria decreases, resulting in a net failure to produce the energy necessary to run the cell Tissues with high energy demand have even greater demands for CoQ10 For example, heart muscle, which continually exerts a pumping action for an entire lifetime, has an immense need for the cofactor Studies demonstrate the effectiveness of supplemental coenzyme Q10 in cardiomyopathy, myocardial dysfunction, and congestive heart failure CoQ10 is also a powerful antioxidant like vitamins E and C, and thus serves the role of neutralizing excess free radicals It is now well established that the control of excessive free radical activity is key in preventing/delaying the progression of degenerative diseases*

**Cold Agglutinin Screen**

Test Code: **COLDSCRN**

CPT:86157

Dept: Immunology

Prefix: IM

Turn-around-time:

**Special Instructions: COLDSCRN:MUST BE DRAWN IN WARM TUBES. CLOT @ 37 C**

Age (Y)

Container

0-100

Red (No Gel)

*COLDSCRN must be drawn in warm tubes and allowed to clot at 37C*

**Cold Hemagglutinins**



# LABORATORY INFORMATION MANUAL

Test Code: **CAGGz** CPT:86157  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 349  
 Turn-around-time: Setup: Mon, Wed, Fri; Reports in 2-5 days.  
**Special Instructions:** **Keep warm. CAGGz: 3(0.5) mL S-RT**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red Ambient	3.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES: Serum submitted must have been separated from whole blood which has been allowed to clot at 37C before separation*  
*SPECIMEN STABILITY: Room temp: 14 days; Refrig: 28 days*  
*Frozen: unacceptable*  
*CLINICAL SIGNIFICANCE: This test can be useful for the detection of cold agglutinins in association with cold agglutinin syndrome*

---

## Complement C1q

Test Code: **C1Qz** CPT:86160  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 981X  
 Turn-around-time: Setup: Mon and Wed; Reports in 4 days.  
**Special Instructions:** **No gel. C1Qz: 1(0.1) mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES: Separate serum within one hour of draw time and refrigerate*  
*SPECIMEN STABILITY: Room temp: 4 days; Refrig: 10 days*  
*Frozen: 29 days*  
*CLINICAL SIGNIFICANCE: The complement system is critical to the inflammatory response C1q concentrations may be decreased in patients with acquired angioedema, immune complex induced vasculitis, and concurrent low concentrations of C1 inhibitor, carcinoma, or lymphoma*

---

## Complement C2

Test Code: **C2Cz** CPT:86160  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 433X  
 Turn-around-time: Setup: Mon and Wed; Reports in 4-9 days.  
**Special Instructions:** **C2Cz: 1(0.1)mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*  
*REJECTION CRITERIA:*  
*LAB NOTES: Separate serum within one hour of draw time and refrigerate Can be drawn in gel barrier tube but needs to be separated within one hour from time drawn*  
*SPECIMEN STABILITY: Room temp: 28 days; Refrig: 28 days*  
*Frozen: 28 days*

*CLINICAL SIGNIFICANCE: The complement system is critical to inflammatory responses C2 is a component of the classical pathway Decreased concentrations are observed in patients with immune complex diseases such as systemic lupus erythematosus (SLE) and immune complex-induced vasculitis*

**Complement, CH50 Total**

Test Code: **CH50z** CPT:86162  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 618  
 Turn-around-time: Setup: No testing Tue & Sat. Reports in 3-5 days.  
**Special Instructions: CH50Z: 1 (0.2)mL S-FZ**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Frozen	3.5

*COLLECTION NOTES:*  
*REJECTION CRITERIA: Hemolysis Glass tubes Thawed*  
*LAB NOTES: Separate serum and freeze within 1 hour of collection*  
*SPECIMEN STABILITY: Room Temp: unacceptable; Refrig: unacceptable*  
*Frozen: 28 days*  
*CLINICAL SIGNIFICANCE: CH50 is a screening test for total complement activity Levels of complement may be depressed in genetic deficiency, liver disease, chronic glomerulonephritis, rheumatoid arthritis, hemolytic anemias, graft rejection, systemic lupus erythematosus, acute glomerulonephritis, subacute bacterial endocarditis and cryoglobulinemia Elevated complement may be found in acute inflammatory conditions, leukemia, Hodgkins Disease, sarcoma, and Behcets Disease*

**Confirmation ABO/Rh Type**

Test Code: **TYPEC** CPT:  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Results Pending  
Age (Y)  
 0-100

**Copper**

Test Code: **CUz** CPT:82525  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 363  
 Turn-around-time: Setup: Sun, Wed, Fri. Reports in 1-4 days.  
**Special Instructions: CUz: 2(0.7) ml P-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal Blue TM Serum	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA: Hemolysis; whole blood;*  
*Samples submitted in non-trace metal container; samples submitted in non acid washed containers*  
*LAB NOTES: Separate serum or plasma within 2 hours then transfer to a metal free or acid washed container*

*SPECIMEN STABILITY: Room Temp: 5 days; Refrig: 10 days*

*Frozen: 30 days*

*CLINICAL SIGNIFICANCE: Copper is an essential element that is a cofactor of many enzymes Copper metabolism is disturbed in Wilsons disease, Menkes disease, primary biliary cirrhosis, and Indian childhood cirrhosis Copper concentrations increase in acute phase reactions and during the third trimester of pregnancy Copper concentrations are decreased with nephrosis, malabsorption, and malnutrition Copper concentrations are also useful to monitor patients, especially preterm newborns, on nutritional supplementation Results of copper are often interpreted together with ceruloplasmin*

---

### Copper, Ur 24hr

Test Code: **CUUz** CPT:82525  
Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 365  
Turn-around-time:

**Special Instructions: 7 mL 24UR REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24H Ur Nitric Acid-Wash	3

---

### Cord ABO/Rh Type

Test Code: **CTYPE** CPT:  
Dept: Blood Bank Testing Prefix: BB  
Turn-around-time: Result Pending

<u>Age (Y)</u>
0-100

---

### Cord Blood Screen

Test Code: **CORD** CPT:  
Dept: Blood Bank Testing Prefix: BB  
Turn-around-time: Result Pending

<u>Age (Y)</u>
0-100

---

### Cord Direct Coombs

Test Code: **CDAT** CPT:86880  
Dept: Blood Bank Testing Prefix: BB  
Turn-around-time: Result Pending

<u>Age (Y)</u>
0-100

---

### Cortisol Free, Ur 24hr

Test Code: **CORFUz** CPT:82530  
Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 11280X  
Turn-around-time: Setup: Mon thru Friday. Reports in 2-6 days.

**Special Instructions: 2 mL UR REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	1

*COLLECTION NOTES: Preservatives acceptable*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room Temp: 2 days; Refrig: 7 days*

*Frozen: 5 months*

*CLINICAL SIGNIFICANCE: Urinary Free Cortisol is useful in the detection of patients with Cushings syndrome for whom Free Cortisol concentrations are elevated*

**Cortisol Random**

Test Code: **CORT** CPT:82533  
 Dept: Chemistry Special Prefix: CS  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Green Li Heparin PST

**Coxsackie A Antibodies, Serum**

Test Code: **CAABSz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37477  
 Turn-around-time:

**Special Instructions: 2 mL S AMB**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Ambient	3.5

37477

*Coxsackie A Antibodies, Serum (40330)*

*Serum*

*Red-top (no gel); SST (red-top/glass); SST (red-top/plastic)*

*2 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature (Okay to thaw)*

**Coxsackie B (1-6) Antibodies**

Test Code: **CBVABz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7656  
 Turn-around-time:

**Special Instructions: 1 mL S AMB**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Ambient	2

7656

*Coxsackie B (1-6) Antibodies, Serum (40335)*

*Serum*

*SST (red-top/plastic); SST (red-top/glass); Red-top (no gel)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature (Okay to thaw)*

**C-Peptide**

Test Code: *CPEPz* CPT:84681  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 372  
 Turn-around-time: Tues, Thurs, Sat. Reports in 3-6 days.

Special Instructions: **CPEPz: 1(0.5) mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

*COLLECTION INSTRUCTIONS:*

*REJECTION CRITERIA: plasma or gross hemolysis*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 4 days; Refrig: 7 days*

*Frozen: 7 days*

*CLINICAL SIGNIFICANCE: C-Peptide is useful in the evaluation of pancreatic beta cell function (eg, helping distinguish type 1 from type 2 diabetes mellitus, or monitoring patients who have received islet cell or pancreatic transplants) and for determining the source of insulin in patients with hyperinsulinemic hypoglycemia (eg, distinguishing insulin-secreting tumors from exogenous insulin administration)*

*It is also sometimes measured as an additional means (more resistant to hemolysis than is insulin itself) for evaluating glucose tolerance tests*

**C-Reactive Protein, High Sens**

Test Code: *CRPHS* CPT:86141  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

**Creatine Kinase w/MB**

Test Code: *CKMB* CPT:  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

*LAB NOTES: High doses of Biotin may interfere with assay. See Notification, page 12.*

**Creatinine Clear Ur 12h**

Test Code: *CRCL12* CPT:82575  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	12 Hour Urine Container

*CPT: 82575*

QUEST#7943

---

**Creatinine Clear Ur 24h**

Test Code: *CRCL* CPT:82575  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	1

---

**Creatinine with GFR**

Test Code: *CREAT* CPT:82565  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

---

**Creatinine, Ur**

Test Code: *CREAU* CPT:82570  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	0.5

---

**Creatinine, Ur 24hr**

Test Code: *CREAT24* CPT:82570  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	1

---

**Crossmatch**

Test Code: *XM* CPT:  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Result Pending

<u>Age (Y)</u>
0-100

---

**Cryofibrinogen**

Test Code: *CRYFIZ* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34317X  
 Turn-around-time:

**Special Instructions:** Red Ambient 5 mL and EDTA Plasma 3 mL T(AMB) \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Ambient	5

5 mL fasting serum, AND 3 mL EDTA plasma

Stability:

Room temp 5 days, Refrig Unacceptable, Frozen: Unacceptable

INSTRUCTION: Do not refrigerate or freeze

Serum collection: Allow specimen to clot at 37 degree C

immediately after being drawn then separate serum from clot

Plasma collection: Collect plasma in EDTA tube at 37 degree C

separate plasma, ship serum and plasma at room temperature

**Cryoglobulin (% Cryocrit)**

Test Code: **CRYQLZ** CPT:82595  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36562  
 Turn-around-time: Setup: Sun thru Fri. Reports 5-7 days.  
**Special Instructions: COLLECT/LAB ALERTS . CRYQLZ: 3(2.0) ml S-RT**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red Ambient	5

COLLECTION NOTES: No gel Keep warm and bring to lab immediately

REJECTION CRITERIA: Gross hemolysis; lipemia; icteric; Gel tube

LAB NOTES: Allow serum sample to clot for 1 hour in a 37 C water bath, incubator, or heat block

Prewarm centrifuge by running it for 10 minutes at 2000 rpm

After clotting, centrifuge the specimen for 10 minutes at 3000

rpm using prewarmed centrifuge

SPECIMEN STABILITY: Room temp: 3 days; Refrig: unacceptable;

Frozen: unacceptable

CLINICAL SIGNIFICANCE: The Cryocrit is primarily intended for

following a patient with previously defined and quantitated

Cryoglobulins The Cryocrit may consist of Cryoglobulins, fibrin

or mixtures of Cryoglobulins and fibrin

**Cryoglobulin Screen w Reflex**

Test Code: **CRYSRFz** CPT:82595  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37358  
 Turn-around-time: Sun thru Fri. Reports 5-7 days.  
**Special Instructions: COLLECT/LAB ALERTS . CRYSRFz: 10(3.5) ml S-RT**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	RED WARM	8

COLLECTION NOTES: No gel Keep warm and bring to lab immediately

REJECTION CRITERIA:

LAB NOTES: Allow serum sample to clot for 1 hour in a 37 C water bath, incubator, or heat block

Prewarm centrifuge by running it for 10 minutes at 2000 rpm

After clotting, centrifuge the specimen for 10 minutes at 3000

rpm using prewarmed centrifuge

*SPECIMEN STABILITY: Room temp: 3 days; Refrig: unacceptable;*

*Frozen: unacceptable*

*CLINICAL SIGNIFICANCE: Cryoglobulins are proteins that precipitate from serum at temperatures below 37 C Most precipitate when serum is cooled at 4 C, but some gel even at room temperature The gel or precipitate must redissolve at 37 C to be classified as a cryoglobulin*

**Cryptococcus Ag RefTiter Serum**

Test Code: **CAGRTITRz** CPT:8640390  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 11196  
 Turn-around-time:

**Special Instructions: SER REF 1 mL R(REF) \***

<u>Age (Y)</u>	<u>Container</u>
0-100	Red (No Gel)

11196

*Cryptococcal Antigen, Latex Screen with Reflex to Titer*

*SERUM*

*Sterile Plastic screw-Cap Container*

*1 mL Room Temp; Unacceptable , Refrig: 7 Days , Frozen: 60 Days*

*Ship refrigerated*

*Centrifuge serum specimens within 1 hour of collection Transfer*

*serum to clean, plastic, screw-capped vial(s) Refrigerate samples and transport on refrigerant coolant or freeze samples*

*and transport on dry ice to the laboratory*

**Cryptosporidium Ag**

Test Code: **CRYAG** CPT:87328  
 Dept: LAB Module Microbiology Tests Prefix: LM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Stool Trans Container (MIC)

**Cryptosporidium Ag, Stool DFA**

Test Code: **CAGSTz** CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 37213  
 Turn-around-time: Setup: Daily; Report available 1-3 days.

**Special Instructions: See Collection notes. CAGSTz: 10(5)g or 10(5) mL ST-RT**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	TOTAL FIX	5

*COLLECTION NOTES: The specimen must be submitted in Total-Fix vial Specimen must*

*not be contaminated with urine The patient must not use barium products,*

*antacids, antidiarrheal medications, or laxatives containing oil prior to collection of a*

*specimen for parasitological exam*

*REJECTION CRITERIA: Specimen refrigerated or frozen; unpreserved*

*LAB NOTES: Add stool to the 10% formalin or Total-Fix vial to*



*bring the liquid level to the fill to here line on the vial Mix the contents thoroughly until homogenous*  
 SPECIMEN STABILITY: Room temp: 6 months; Refrig: N/A  
 Frozen: N/A  
 CLINICAL SIGNIFICANCE: *Cryptosporidium parvum is an intracellular parasite that causes severe and chronic diarrhea in patients who are immunocompromised*

---

**Crystals, FI**

Test Code: **CRYSTFLD** CPT:89060  
 Dept: Hematology Fluids Prefix: HF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender or Green LI HEP PST 3 mL	2

---

**C-Telopeptide Collagen Type**

Test Code: **CTXz** CPT:82523  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17406  
 Turn-around-time: Setup: Mon-Fri. Reports in 2-4 days.

Special Instructions: **CTXz: 1(0.5) ml S-FZ**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Frozen	0.5

*COLLECTION NOTES: Collect blood in a red-top tub (no gel) A minimum of 12 hours fasting is required Fasting morning collection 8-10 am*  
*REJECTION CRITERIA: Moderate to gross hemolysis; grossly lipemic; grossly icteric*  
*LAB NOTES: Allow blood to clot (10-15 minutes) at room temperature Centrifuge and separate the serum from the cells Freeze as soon as possible*  
 SPECIMEN STABILITY: Room Temp: 16 hrs; Refrig: 72 hrs;  
 Frozen: 90 days  
 CLINICAL SIGNIFICANCE: *Diurnal variations cause elevated levels at night*

---

**Culture, BBK Transfusion Rxn**

Test Code: **BBKTXC** CPT:  
 Dept: Blood Bank Transfusion Prefix: BK  
 Turn-around-time:

<u>Age (Y)</u>
0-100

---

**Culture, Body Fluid w/GS**

Test Code: **BFCGS** CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

<u>Age (Y)</u>
0-100

### Culture, Catheter Tip

Test Code: **CTIPC** CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

Age (Y)  
 0-100

### Culture, Chlamydia

Test Code: **CHCULTz** CPT:  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 690  
 Turn-around-time: Setup: Monday thru Saturday; Reports in 3-4 days.  
**Special Instructions:** See collection notes. **CHCULTz: 3(1) mL VTM -70FZ**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Special Container	1

*ACCEPTABLE SPECIMENS:*  
 Endocervical swab Nasal/nasopharyngeal swab  
 Urethral swab Rectal mucosa swab (without feces)  
 Conjunctival swab Fresh (unfixed) tissue  
 Throat swab Pelvic washing  
*COLLECTION NOTES: To maintain optimum viability, place swab or fluid into VTM (equal volumes of fluid and VTM) or equivalent and transport the specimen to the laboratory as soon as possible Best recovery is obtained when the specimens are refrigerated at 2-8 degrees C or kept on wet ice following collection and while in transit If there will be a long delay before processing, specimens in VTM or equivalent should be frozen at -70 degrees C or colder and transported on dry ice Raw (unpreserved) samples should only be refrigerated and not frozen*  
*REJECTION CRITERIA: Storage or transport at room temperature or -20 degrees C is unacceptable*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: N/A; Refrig: 48 hrs*  
*Frozen: -70 degrees C only*  
*CLINICAL SIGNIFICANCE: C trachomatis is associated with infections of the mucous membranes of the urogenital system, the upper respiratory tract and the eye It may be sexually transmitted; Resulting diseases include urethritis, cervicitis, salpingitis, epididymitis, proctitis and lymphogranuloma venereum Co-infection with C trachomatis and N gonorrhoeae can occur Infections of the upper respiratory tract and eye usually occur in newborns exposed at parturition In adults, eye infection may be transmitted by hand after contact with secretions Isolation by tissue culture is recommended when testing individuals under the age of 13 years*

### Culture, CSF w/GS

Test Code: **CSFCGS** CPT:

Dept: Routine Microbiology Prefix: M

Turn-around-time:

Age (Y)

0-100

**Culture, Cytomegalovirus**Test Code: **CMVCz**

CPT:

Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 2627

Turn-around-time: Monday thru Saturday; Reports in 4-23 days.

**Special Instructions:** See collection notes. **CMVCz: 3(1) mL VTM-RF**Age (Y)

0-100

Container

Sterile Vial/Tube

Volume (mLs)

1

**ACCEPTABLE SPECIMENS:***3 mL urine nasopharyngeal lavage/wash**CSF throat lavage/wash**bronchial lavage/wash sterile body fluids**tracheal aspirate saliva in V-C-M**tissue biopsy***COLLECTION NOTES:** *To maintain optimum viability, place swab or fluid into VTM**(equal volumes of fluid and VTM) or equivalent and transport the specimen to the laboratory as soon as possible Best recovery is obtained when the specimens are refrigerated at 2-8 degrees C or kept on wet ice following collection and while in transit If there will be a long delay before processing, specimens in VTM or equivalent should be frozen at -70 degrees C or colder and transported on dry ice Raw (unpreserved) samples should only be refrigerated and not frozen***REJECTION CRITERIA:** *Storage or transport at -20 degrees C or room temperature is not acceptable***LAB NOTES:****SPECIMEN STABILITY:** *Room temp: N/A; Refrig: 4 days**Frozen: 30 days at -70C Unacceptable -20C***CLINICAL SIGNIFICANCE:** *Cytomegalovirus (CMV) is ubiquitous, infecting 60-80% of individuals by adulthood in the US In certain populations, antibodies to CMV are detected in 100% of sera tested Most infections are asymptomatic, and only about 1% of those infected actually experience clinical manifestations of CMV disease**CMV belongs to the herpes virus group including Herpes Simplex, Varicella-Zoster, and Epstein-Barr Virus Characteristic of this group is the ability to establish latent infections with sporadic episodes of reactivation of disease or viral shedding**CMV has been identified as the etiologic agent in a variety of conditions including congenital abnormalities, mononucleosis-like syndromes, pneumonitis in infants, and interstitial pneumonias in immunocompromised populations such as renal transplant recipients, individuals with AIDS, and in patients with malignancies***Culture, Device**Test Code: **DEVc**

CPT:

Dept: Routine Microbiology      Prefix: M  
Turn-around-time:  
    Age (Y)  
    0-100

---

**Culture, Ear**

Test Code: *EARC*                      CPT:  
Dept: Routine Microbiology      Prefix: M  
Turn-around-time:  
    Age (Y)                              Container  
    0-100                                  Lavender

---

**Culture, Ear**

Test Code: *EARC*                      CPT:  
Dept: Routine Microbiology      Prefix: M  
Turn-around-time:  
    Age (Y)                              Container  
    0-100                                  Lavender

---

**Culture, Environmental**

Test Code: *ENVC*                      CPT:  
Dept: Environmental Testing      Prefix: EV  
Turn-around-time:  
    Age (Y)  
    0-100

---

**Culture, Eye**

Test Code: *EYEC*                      CPT:  
Dept: Routine Microbiology      Prefix: M  
Turn-around-time:  
    Age (Y)  
    0-100

---

**Culture, GC**

Test Code: *GCGS*                      CPT:  
Dept: Routine Microbiology      Prefix: M  
Turn-around-time:  
    Age (Y)  
    0-100

---

**Culture, Genital**

Test Code: **GENC** CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:  
 Age (Y)  
 0-100

**Culture, Herpes Simplex**

Test Code: **HSVCz** CPT:87255  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 2692  
 Turn-around-time:

**Special Instructions:** 3 mL FRSH UNFIXED TIS or OTH ASAP REF \*

Age (Y)	Container	Volume (mLs)
0-100	Universal Transport Media	1

2692

*Herpes Simplex Virus Culture*

*Fresh (unfixed) tissue or Nasal/nasopharyngeal swab or Endocervical swab or Eye swab or Lesion (vesicle) aspirate swab or Urethral swab or Vaginal swab or Throat swab V-C-M medium (green-cap) tube or equivalent (UTM); Sterile screw cap container*

3 mL

*Room Temp: Unacceptable , Refrig: 4 Days , Frozen: Unacceptable Ship refrigerated*

*Note: PCR is preferred test for CSF To maintain optimum viability, place swab or fluid into VCM (equal volumes of fluid and VCM) or equivalent and transport the specimen to the laboratory as soon as possible Best recovery is obtained when the specimens are refrigerated at 2-8 degrees C or kept on wet ice following collection and while in transit If there will be a long delay before processing, specimens in VCM or equivalent should be frozen at -70 degrees C or colder and transport on dry ice Storage or transport at -20 degrees C is not acceptable Raw (unpreserved) samples should only be refrigerated and not frozen*

**Culture, Herpes Simplex /Typ**

Test Code: **HSVCLZ** CPT:87255  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 2649  
 Turn-around-time: Monday thru Saturday; Reports in 3-4 days.

**Special Instructions:** See collection notes. HSVCLZ: 3(1) mL VTM-RF

Age (Y)	Container	Volume (mLs)
0-100	Universal Transport Media	1

**ACCEPTABLE SPECIMENS:**

*Endocervical swab Nasal/nasopharyngeal swab Urethral swab Lesion (vesicle) aspirate swab Eye swab Fresh (unfixed) tissue Vaginal swab Throat swab*

*COLLECTION NOTES: To maintain optimum viability, place swab or fluid into VTM (equal volumes of fluid and VTM) or equivalent and transport the*

*specimen to the laboratory as soon as possible Best recovery is obtained when the specimens are refrigerated at 2-8 degrees C or kept on wet ice following collection and while in transit If there will be a long delay before processing, specimens in VTM or equivalent should be frozen at -70 degrees C or colder and transported on dry ice Raw (unpreserved) samples should only be refrigerated and not frozen*

*REJECTION CRITERIA: Storage or transport at -20 degrees C is not acceptable The following specimens are not acceptable: CSF, Sputum, Raw (unpreserved) stool, Dry swabs, Molecular transport systems, Bacterial transport systems, Tissue or biopsies in formalin or other fixatives, Calcium alginate swabs, Wooden shaft swabs, Non gel-based bacterial transports*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: N/A; Refrig: 4 days;*

*Frozen: 30 days at -70C -20C unacceptable*

*CLINICAL SIGNIFICANCE: A clinical diagnosis of HSV infection is based on identifying characteristic multiple vesicles on an erythematous base HSV culture is useful in verifying HSV is present within the vesicles Rapid culture allows for the initiation of therapy that may diminish the severity of symptoms and shorten the length of symptoms*

**Culture, M.hominis/Ureaplasma**

Test Code: **MHUCULz**

CPT:87109

Dept: Reference Microbiology

Prefix: ZM

Quest Diagnostics Nichols Inst 871

Turn-around-time:

Setup: Daily; Reports in 7-8 days

**Special Instructions:**

**See acceptable specimens. MHUCULz: 1 mL or 1 swab VTM -70FZ**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Universal Transport Media	1

**ACCEPTABLE SPECIMENS:**

*Urine: Client should centrifuge urine at 3000 rpm for 15 minutes Suspend sediment in VTM or equivalent transport media If the specimen is not centrifuged, submit a 1:1 volume of urine in VTM or equivalent transport media*

*Submit a 1:1 volume of sterile body fluids, tissue, respiratory (sputum, bronchial washing, tracheobronchial secretions, bronchial alveolar lavage) in VTM or equivalent transport media Respiratory samples are only acceptable from children under 1 year old*

**COLLECTION NOTES:**

*REJECTION CRITERIA: Do not use M4RT; Specimens collected on wooden shafted swabs, or cotton swabs, Specimen received in expired transport medium, Tissue specimen in formalin, Urine containing any preservatives, Raw specimens*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: N/A; Refrig: 48 hrs*

*Frozen: 30 days at -70C -20C unacceptable*

*CLINICAL SIGNIFICANCE: Ureaplasma urealyticum and Mycoplasma hominis are primarily associated with genital tract colonization and disease in adults and respiratory tract colonization and disease in newborns Though controversial, these organisms have been associated with endometritis, chorioamnionitis, premature rupture of membranes, stillbirth, premature birth, low birth weight, post-partum infections, and infertility Of particular*

*concern is the causal relationship between central nervous system infections in the premature newborn and U urealyticum*

---

**Culture, MRSA**

Test Code: *MRSAC* CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

Age (Y)  
 0-100

---

**Culture, Mycoplasma pneumoniae**

Test Code: *MYPCULz* CPT:87109  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 34270  
 Turn-around-time: Setup: Daily; Reports in 28-30 days.

**Special Instructions:** *MYPCULz: Special -70FZ*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Viral Transport Media (MIC)	1

*PREFERRED SPECIMEN:*  
 Throat swab collected in V-C-M medium (green-cap) tube or equivalent (UTM) container  
*ALTERNATE SPECIMENS:*  
 Lung tissue, pleural fluid, pericardial fluid, nasopharyngeal aspirate or swab, bronchial lavage/wash collected in V-C-M medium (green-cap) tube or equivalent (UTM) container  
*COLLECTION NOTES:* Do not use M4RT  
*REJECTION CRITERIA:* M4RT and sputum  
*LAB NOTES:*  
*SPECIMEN STABILITY:* Room temp: N/A; Refrig: 48 hrs  
 Frozen: 30 days at -70C -20C unacceptable  
*CLINICAL SIGNIFICANCE:* Mycoplasma pneumoniae is one of the principal etiologic agents responsible for primary atypical pneumonia (often called walking pneumonia) as well as more mild forms of upper respiratory illness Primary atypical pneumonia may be a severely debilitating disease and may infect otherwise healthy individuals

---

**Culture, Respiratory**

Test Code: *RESPC* CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

Age (Y)  
 0-100

---

**Culture, Sputum w/GS**

Test Code: *SPUTCGS* CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

Age (Y)  
 0-100

**Culture, Stool**

Test Code: *STOOLC* CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

Age (Y)  
 0-100

**Culture, Stool Screen VRE**

Test Code: *VRESTLz* CPT:8708190  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 37129  
 Turn-around-time:

**Special Instructions:** Sterile Cup 10 mL A(AMB) \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Cup (MIC)	5

*37129  
 Bacterial Culture, Screen for VRE (Stool) (51231)  
 Stool  
 Cary-Blair container  
 1 gram minimum  
 Room Temp: 72 Hours, Refrig: Unacceptable, Frozen: Unacceptable  
 Ship room temp  
 Instruction: Collect in clean, dry container and then transfer a  
 minimum of 1 gram or 1 mL into a Cary-Blair stool culture  
 transport medium  
 Reject criteria: Ova and Parasite Para-Pak(R) transport system;  
 containing formalin and PVA; frozen or unpreserved stool; expired  
 transport device*

**Culture, Strep Group B**

Test Code: *STGBC* CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Lavender

**Culture, Strep Group B**

Test Code: *STGBC* CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Lavender

**Culture, Strep Throat**



Test Code: **STC** CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:  
Age (Y)  
 0-100

**Culture, Throat**

Test Code: **THRC** CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:  
Age (Y)  
 0-100

**Culture, Urine**

Test Code: **URC** CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:  
Age (Y)  
 0-100

**Culture, Viral Body Fluids**

Test Code: **VIRCz** CPT:87252  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 689  
 Turn-around-time:  
**Special Instructions: 3 mL BRNC ASP/WSH or TRACH ASP or OTH ASAP REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Viral Transport Media (MIC)	1

689  
*Culture, Viral, Body Fluids, Tissues*  
*Bronchial aspirates/washes or Tracheal aspirates/washes or*  
*Newborn Urine or Fluid or Tissue biopsy or Lung biopsy or*  
*Conjunctival swab*  
*V-C-M medium (green-cap) tube or equivalent (UTM); Sterile screw*  
*cap container; V-C-M medium (green-cap) tube or equivalent (UTM);*  
*Lithium heparin (green-top); Sodium heparin (green-top)*  
 3 mL  
 Room Temp: Unacceptable , Refrig: 4 Days , Frozen: Unacceptable  
 Ship frozen  
 Note: PCR is preferred test for CSF To maintain optimum  
 viability, place swab or fluid into VCM (equal volumes of fluid  
 and VCM) or equivalent and transport the specimen to the  
 laboratory as soon as possible Best recovery is obtained when  
 the specimens are refrigerated at 2-8 degrees C or kept on wet  
 ice following collection and while in transit If there will be a  
 long delay before processing, specimens in VCM or equivalent  
 should be frozen at -70 degrees C or colder and transport on dry

*ice Storage or transport at -20 degrees C is not acceptable Raw (unpreserved) samples should only be refrigerated and not frozen Set up: Mon-Sat; Report available: 2-24 days*

---

**Culture, VRE**

Test Code: **VREC** CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:  
Age (Y)  
 0-100

---

**Culture, Wound w/GS**

Test Code: **WNDCGS** CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:  
Age (Y)  
 0-100

---

**Cyanide, Bld**

Test Code: **CYABz** CPT:82600  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 400  
 Turn-around-time:  
**Special Instructions: 10 mL WB REF**  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green (Sodium Heparin)	4

---

**Cyclic Citrulline Peptide IgG**

Test Code: **CCBGz** CPT:86200  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 11173  
 Turn-around-time: Mon, Wed, Fri; Reports in 2 days.  
**Special Instructions: CCBGz: 1(0.5)mL S-RF**  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

**COLLECTION NOTES:**

**REJECTION CRITERIA:** Gross hemolysis; grossly lipemic; plasma

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 4 days; Refrig: 7 days

Frozen: 30 days

**CLINICAL SIGNIFICANCE:** A synthetic circular peptide containing citrulline called CCP IgG (cyclic citrullinated peptide) has been found to be better at discriminating Rheumatoid Arthritis patients from other patients than either the perinuclear autoantibody test or the test for rheumatoid factor. Approximately 70% of patients with Rheumatoid Arthritis are positive for Anti-CCP IgG, while only about 2% of random blood donors and disease controls subjects are positive

**Cyclosporine, Monoclonal**

**Cystatin C**

Test Code: **CCSz** CPT:82610  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10570X  
 Turn-around-time: Setup: Friday; Reports in 5 days.  
**Special Instructions:** Overnight fasting is preferred. CCSz: 1(?)mL S-RF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

*COLLECTION NOTES: Obtain serum or plasma to send to lab Collect blood in a red-top, serum separator tube, or green-top heparin tube Allow blood to clot for 15 minutes Centrifuge at 2500 rpm for 10 minutes*

*REJECTION CRITERIA:*

*LAB NOTES: Allow to clot for 15 minutes and centrifuge at 2500 for 10 minutes*

*SPECIMEN STABILITY: Room temp: 1 days; Refrig: 7 days*

*Frozen: 90 days*

*CLINICAL SIGNIFICANCE: Cystatin C is a highly sensitive and specific marker of glomerular filtration rate (renal function) Cystatin C is independent of muscle mass, age, and body mass index Cystatin C is also used to assess renal allograft function*

**Cystine, Ur 24hr**

Test Code: **CYTUz** CPT:82131  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 10947X  
 Turn-around-time:  
**Special Instructions:** 1.8 mL 24UR ASAP FRZ \*

Age (Y)	Container	Volume (mLs)
0-100	24 Hour Urine Frozen	0.69999999999999996 999996

**Cytogenetics Chromosome Anal**

Test Code: **CYTO** CPT:  
 Dept: PTH Prefix: P  
 Turn-around-time:

Age (Y)	Container
0-100	PTH

**Cytomegalovirus DNA, Quant**

Test Code: **CMVDNAz** CPT:87497  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 10600  
 Turn-around-time: Setup: Daily; Reports in 1 day.  
**Special Instructions:** 1(0.5) mL WB-RF

Age (Y)	Container	Volume (mLs)
0-100	Lavender	1.5

*ALTERNATE SPECIMENS: EDTA plasma, serum, CSF, Amniotic Fluid, Bronchial lavage, urine, eye fluid*

*COLLECTION NOTES*

*REJECTION CRITERIA:*

*LAB NOTES: If sending plasma separate plasma from cells within 2 hours of collection*

*SPECIMEN STABILITY: Room temp: 2 days; Refrig: 8 days*

*Frozen: N/A*

*CLINICAL SIGNIFICANCE: In patients who are immunocompromised, CMV may cause disseminated, severe disease CMV is also the most common cause of congenital viral infection in humans*

*Quantitative PCR methods may be useful in monitoring CMV replication in immunosuppressed patients or in determining the viral load of CMV in amniotic fluid This is a quantitative molecular test, with a linear range of 200-2,000,000 IU/mL*

### D-Dimer, Quantitative

Test Code: **DDIMERQ** CPT:85379

Dept: Coagulation Prefix: K

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue NaCitrate 2.7 mL	2.7

*COLLECTION NOTES: The correct ratio of blood to anticoagulant MUST be maintained Level of blood in blue container MUST be at fill mark Transport to laboratory immediately*

*REJECTION CRITERIA: Hemolyzed, high hematocrit, or clotted*

### Delta-Aminolevulinic Acid,24hr

Test Code: **DALA24z** CPT:82135

Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 219

Turn-around-time:

**Special Instructions: 2 mL 24UR NO PRES PROT LIGHT REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	1

### Dengue Fever Ab IgG, IgM

Test Code: **DENFz** CPT:

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 93256

Turn-around-time: Setup: Tuesday thru Saturday; Reports in 1-3 days.

**Special Instructions: Serum Separator Tube 0.5 mL R(REF)**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES*

*REJECTION CRITERIA:*

*LAB NOTES:*



**Special Instructions:** No Gel. Overnight fasting. DHEAUNz: 0.5(0.3) mL S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1

*COLLECTION NOTES*

*REJECTION CRITERIA: Received in SST*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 7 days*

*Frozen: 2 years*

*CLINICAL SIGNIFICANCE: DHEA is a weakly androgenic steroid that is useful when congenital adrenal hyperplasia is suspected It is also useful in determining the source of androgens in hyperandrogenic conditions, such as polycystic ovarian syndrome and adrenal tumors*

**Digoxin**

Test Code: *DIG* CPT:80162  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

*LAB NOTES: High doses of Biotin may interfere with assay. See Notification, page 12.*

**Dihydrotestosterone**

Test Code: *DIHTz* CPT:82651  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 90567  
 Turn-around-time: Setup: Sunday thru Friday. Report available 1-4 days.  
**Special Instructions:** No gel. DIHTz: 1(0.6)mL S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	2

*COLLECTION NOTES*

*REJECTION CRITERIA: Serum separator tube; Gross hemolysis;*

*Lipemia*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 7 days*

*Frozen: 2 years*

*CLINICAL SIGNIFICANCE: DHT is a potent androgen derived from testosterone via 5-alpha-reductase activity 5-alpha-reductase deficiency results in incompletely virilized males (phenotypic females) This diagnosis is supported by an elevated ratio of testosterone to DHT*

**Direct Antiglobulin Test**

Test Code: *DAT* CPT:86880  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Result Pending

<u>Age (Y)</u>
0-100

**Direct Antiglobulin Test Compl**

Test Code: *DATCOMP* CPT:86880  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Result Pending  
 Age (Y)  
 0-100

**Direct Antiglobulin Test, IgG**

Test Code: *DATIGG* CPT:86880  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Result Pending  
 Age (Y)  
 0-100

**DNA, Single Strand IgG Ab**

Test Code: *DNASz* CPT:86226  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 14857  
 Turn-around-time:

**Special Instructions:** 1 mL S FRZ \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Frozen	0.5

**DNase-B Antibody**

Test Code: *DNASEz* CPT:86215  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 256  
 Turn-around-time: Setup: Tuesday thru Saturday. Reports in 1-4 days.

**Special Instructions:** DNASEz: 1(0.4)ml S-RF  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES*  
*REJECTION CRITERIA:*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 48 hrs; Refrig: 8 days*  
*Frozen:90 days*  
*CLINICAL SIGNIFICANCE: Documents recent streptococcal infection*

**Donor A Subgroup**

Test Code: *DSUB* CPT:86905  
 Dept: Blood Bank Ref/Misc Testing Prefix: BZ  
 Turn-around-time: Result Pending  
 Age (Y)  
 0-100

### Drug Detection Panel, Umbilical

Test Code: **DRGUMBz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 13728CS  
 Turn-around-time:  
**Special Instructions:** **DRGUMBz: 6 inches Umbilical Cord REF\***  
Age (Y) Container  
 0-100 Special Container

*Quest #13728CS*  
*Additional Information:*  
*Specimen: Umbilical Cord*  
*Volume: 6 inches - Minimum: 6 inches\*\**  
*Container: Sterile leak-proof container*  
*Temp: Ship refrigerated*  
*Stability: Room temperature: 7 days Refrigerated: 21 days Frozen: 1 year*  
*Note: No alternate specimen type accepted*  
*Rejection criteria: Cords soaking in blood or other fluid; decomposed tissue*  
*Instruction: Drain and discard any blood Rinse the exterior of the cord segment with normal saline or sterile water Pat the cord dry and place in container for transport*  
*Schedule: Set up day/time\*\*\* Report day/time\*\*\* Sun-Sat A Mon-Sun*  
*Report available: 1-5 days*  
*Method: Qualitative Liquid Chromatography-Time of Flight Mass Spectrometry/Enzyme-Linked Immunosorbent Assay*

### Drug Screen 9, Meconium

Test Code: **DRUG9z** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30427X  
 Turn-around-time:  
**Special Instructions:** **5 g MECONIUM REF**  
Age (Y) Container Volume (mLs)  
 0-100 Sterile Cup (MIC) 1

### dRVVT Screen with Reflex to dR

Test Code: **DRVVTz** CPT:85613  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 15780X  
 Turn-around-time:  
**Special Instructions:** **2 mL PL FRZ**  
Age (Y) Container Volume (mLs)  
 0-100 Blue (Sodium Citrate) Frozen 2.70000004768  
 37198

### E Chaffeensis DNA Bld PCR

Test Code: **EHCHz** CPT:87798  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 11353  
 Turn-around-time:  
Age (Y) Container Volume (mLs)



**Echinococcus Ab IgG**

Test Code: **EABIGGz** CPT:86682  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 91307  
 Turn-around-time:

**Special Instructions: 1 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

**Electrolytes**

Test Code: **LYTES** CPT:80051  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

**Endomysial Antibody Scrn IgA**

Test Code: **ENDABz** CPT:86255  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 15064  
 Turn-around-time: Setup: Tuesday thru Saturday; Reports in 2-6 days.

**Special Instructions: ENDABz: 1(0.3) mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES*

*REJECTION CRITERIA: Gross hemolysis; Lipemia*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 4 days; Refrig: 21 days*

*Frozen: 21 days*

*CLINICAL SIGNIFICANCE: The presence of anti-endomysial (EMA) IgA antibodies has been shown to correlate with gluten-sensitive enteropathy such as celiac disease (CD) and dermatitis herpetiformis (DH) EMA is detected primarily by IFA, using monkey esophagus as a substrate and observing fluorescence of the endomysial lining Patients with CD and DH can also demonstrate antibodies to reticulín and gliadin, though EMA-IgA seems to be the most specific marker (specifically 94-100%)*

*If Endomysial Antibody (IgA) Screen is abnormal, Endomysial Antibody Titer will be performed at an additional charge*

*(CPTcode: 86256)*

**Entamoeba histolytica Antigen**

Test Code: **EHAGz** CPT:87337  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34964X  
 Turn-around-time:

**Special Instructions: 1 g STL FRZ \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
----------------	------------------	---------------------

0-100

Stool Frozen

1

**Entamoeba histolytica IgG**

Test Code: *EHGz* CPT:86753  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34278X  
 Turn-around-time:

Special Instructions: 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

**Enterovirus RNA, Qual R**

Test Code: *EVRNz* CPT:87498  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 15082  
 Turn-around-time:

Special Instructions: 0.7 mL CSF REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	CSF Tube (MIC)	0.5

**Eosinophils,Ur**

Test Code: *EOSU* CPT:89051  
 Dept: Hematology Fluids Prefix: HF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	1

**Epinephrine, Plasma**

Test Code: *EPIBz* CPT:82491  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37560X  
 Turn-around-time:

Special Instructions: 4 mL PL ASAP FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Frozen	4

**Epstein Barr Virus DNA, Qual**

Test Code: *EBVQLz* CPT:87798  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34179  
 Turn-around-time:

Special Instructions: 1 mL; 1 mL; 1 mL; 1 mL WB or PL or S or CSF REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Whole Blood Ref	3

**Epstein Barr Virus PCR Quant**

Test Code: **EBVDz** CPT:87799  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10186X  
 Turn-around-time:

**Special Instructions:** 1 mL; 1 mL; 1 mL WB or CSF or PL REF \*

Age (Y)	Container	Volume (mLs)
0-100	Lavender	3

**Erythrocyte Protoporphyrin**

Test Code: **ERYPz** CPT:84202  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 762  
 Turn-around-time:

**Special Instructions:** 2 mL WB PROT LIGHT REF \*

Age (Y)	Container	Volume (mLs)
0-100	Lavender Whole Blood Ref	3

**Erythropoietin**

Test Code: **ERYTHRz** CPT:82668  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 427  
 Turn-around-time: Monday, Wednesday, Friday. Reports in 3-6 days.

**Special Instructions:** Collect specimens between 7:30am & 12pm. ERYTHRz: 1(0.5)mL S-FZ

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

*COLLECTION NOTES: Due to diurnal variation, it is recommended that specimens be collected between 7:30am and noon*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 10 days; Refrig: 18 days  
 Frozen: 28 days*

*CLINICAL SIGNIFICANCE: Elevated levels of serum erythropoietin (EPO) occur in patients with anemias due to increased red cell destruction in hemolytic anemia and also in secondary polycythemia associated with impaired oxygen delivery to the tissues, impaired pulmonary oxygen exchange, abnormal hemoglobins with increased oxygen affinity, constriction of the renal vasculature, and inappropriate EPO secretion caused by certain renal and extrarenal tumors. Normal or depressed levels may occur in anemias due to increased oxygen delivery to tissues, in hypophosphatemia, and in polycythemia vera*

**Estradiol, Free by LC/MS/MS**

Test Code: **ESTDFz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36169  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel)	1.5

*COLLECTION NOTES: 25ml (15ml minimum) serum collected in a red-top tube (no gel)*  
*REJECTION CRITERIA: Grossly hemolyzed specimens are unacceptable*  
*LAB NOTES: High doses of Biotin may interfere with assay. See Notification, page 12.*  
*SPECIMEN STABILITY:*

---

**Estriol**

Test Code: *ESTLz* CPT:82677  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34883X  
 Turn-around-time: Setup: Sunday thru Friday. Report available 2-5 days.  
**Special Instructions:** No gel. *ESTLz: 0.5(0.3) mL S-RF*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1

*COLLECTION NOTES:*  
*REJECTION CRITERIA: Room temperature, serum separator tube*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: NA days; Refrig: 7 days*  
*Frozen: 2 years*  
*CLINICAL SIGNIFICANCE: The placenta converts DHEA-S produced by the fetal adrenals to Estriol and other estrogens Estriol is useful in assessing the fetal adrenals and placenta during pregnancy More commonly, Estriol is one of the maternal serum biochemical markers used to screen for common chromosomal trisomies, especially Down syndrome*

---

**Estrogens, Total Ser**

Test Code: *ESTRz* CPT:82672  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 439  
 Turn-around-time: Setup: Sun-Fri; Report available: 2-5 days.  
**Special Instructions:** *ESTRz: 2(1)mL S-RF*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES*  
*REJECTION CRITERIA: Gross hemolysis, gross lipemia*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room Temp: 4 Hours , Refrig: 14 Days ,*  
*Frozen: 28 days*  
*CLINICAL SIGNIFICANCE: Estrogens are secreted by the gonads, adrenal glands, and placenta Total estrogens provide an overall picture of estrogen status for men and women*

---

**Estrone (E1)**

Test Code: *ESTNz* CPT:82679  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 23244  
 Turn-around-time: Setup: Daily; Report available in 1-4 days.  
**Special Instructions:** *ESTNz: .5(0.25) mL S-RF*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	4

*COLLECTION NOTES*

*REJECTION CRITERIA: Gel in specimen or received room temperature*

*LAB NOTES:*

*SPECIMEN STABILITY: Room Temp: 2 days , Refrig: 7 Days ,  
Frozen: 2 years*

*CLINICAL SIGNIFICANCE: Estrone is primarily derived from metabolism of androstenedione in peripheral tissues, especially adipose tissues Individuals with obesity have increased conversion of androstenedione to Estrone leading to higher concentrations In addition, an increase in the ratio of Estrone to Estradiol may be useful in assessing menopause in women*

**Ethosuximide**

Test Code: **ETHOz** CPT:80168  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 214  
 Turn-around-time: Setup: Monday thru Saturday; Report available in 1-2 days.  
**Special Instructions: No gel. ETHOz: 1(0.5)mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1.5

*ALTERNATE SPECIMENS: Plasma collected in EDTA or Sodium heparin*

*COLLECTION NOTES*

*REJECTION CRITERIA: Gel in tube or Serum separator tubes*

*LAB NOTES:*

*SPECIMEN STABILITY: Room Temp: 5 days , Refrig: 14 Days ,  
Frozen: 35 days*

*CLINICAL SIGNIFICANCE: Ethosuximide is an anticonvulsant used to treat seizures Ethosuximide levels are monitored to assure adequate therapeutic levels are achieved and to avoid toxicity*

**Ethylene (Green) Oxide**

Test Code: **ATTGAS** CPT:  
 Dept: Environmental Testing Prefix: EV  
 Turn-around-time:

<u>Age (Y)</u>
0-100

**Everolimus, Bld**

Test Code: **EVEROLz** CPT:80299  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 18883  
 Turn-around-time: Setup: Monday through Saturday. Report available next day.  
**Special Instructions: EVEROLz: 2(1)mL WB-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Whole Blood Ref	3

*COLLECTION NOTES*

*REJECTION CRITERIA: Gel in container; clotted specimen*

*LAB NOTES: Drug regimens are to be noted on requisition: time and date of*

*drug administration Therapeutic range applies to trough specimens drawn just prior to am dose*

*SPECIMEN STABILITY: Room Temp: 7 days , Refrig: 14 Days ,  
Frozen: 30 days*

**Factor II Activity**

Test Code: **FAC2z** CPT:85210  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 331  
 Turn-around-time: Wednesday and Friday; Reports in 3-8 days.  
**Special Instructions:** **FAC2z: 1 (0.5)ml P-FZ**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue Sodium Citrate	2.70000004768 37198

*COLLECTION NOTES: The correct ratio of blood to anticoagulant MUST be maintained Level of blood in blue container MUST be at fill mark Transport to laboratory immediately If unable to deliver to lab within 4 hours then process per LAB NOTES*  
*REJECTION CRITERIA: Hemolysis; thawed*  
*LAB NOTES: For extended stability , centrifuge within one hour of collection Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial(s) Freeze immediately Transport frozen specimen to lab on dry ice*  
*SPECIMEN STABILITY: Room Temp: Unacceptable; Refrig: Unacceptable*  
*Frozen: 14 days*  
*CLINICAL SIGNIFICANCE: This test is useful to evaluate a prolonged PT Deficiency is associated with bleeding risk*

**Factor IX Activity**

Test Code: **FAC9z** CPT:85250  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 352  
 Turn-around-time:  
**Special Instructions:** **1 mL PL ASAP FRZ \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

**Factor V Activity**

Test Code: **FAC5z** CPT:85220  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 344  
 Turn-around-time:  
**Special Instructions:** **1 mL PL FRZ \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

**Factor VII Activity**

Test Code: **FAC7z** CPT:85230  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 346X  
 Turn-around-time:  
**Special Instructions:** **1 mL PL ASAP FRZ \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

### Factor VIII Antigen

Test Code: **F8Az** CPT:85244  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 90879  
 Turn-around-time:

**Special Instructions:** F8Az: Light Blue Top 1mL F(FRZ)\*  

<u>Age (Y)</u>	<u>Container</u>
0-100	Blue (Sodium Citrate) Frozen

*90879  
 Factor VIII Antigen  
 Plasma  
 1 mL  
 32% Sodium Citrate (lt blue-top)  
 Stability: Room temp:4 Hours; Refrig: 48 hours; Frozen:30 days  
 Ship frozen  
 Platelet-poor plasma: Centrifuge light blue-top tube 15 minutes  
 at approx 1500 x g within 60 minutes of collection Using a  
 plastic pipette, remove plasma, taking care to avoid the  
 WBC/platelet buffy layer and place into a plastic vial  
 Centrifuge a second time and transfer platelet-poor plasma into a  
 new plastic vial Plasma must be free of platelets (<10,000/mcL)  
 Freeze immediately and ship on dry ice*

### Factor VIII Inhibitor Panel

Test Code: **FAC8Iz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 40083  
 Turn-around-time:

**Special Instructions:** 2 mL PL ASAP FRZ \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.7000004768 37198

*40083  
 Factor VIII Inhibitor Panel  
 Plasma  
 32% Sodium Citrate (lt blue-top)  
 2 mL  
 Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: 14 Days  
 Ship frozen (Do not thaw)  
 Submit a total of 6mL, 2mL in each of 3 tubes Centrifuge light  
 blue-top tube 15 minutes at approx 1500 g within 60 minutes of  
 collection Using a plastic pipette, remove plasma, taking care  
 to avoid the WBC/platelet buffy layer and place into a plastic  
 vial Centrifuge a second time and transfer platelet-poor plasma  
 into a new plastic vial Plasma must be free of platelets  
 (<10,000/mcl) Freeze immediately and ship on dry ice*

### Fatty Acids Free

Test Code: **FAFz** CPT:82725  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 449X  
 Turn-around-time:

**Special Instructions:** 1 mL S ASAP FZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

**Fecal Fat, Qualitative**

Test Code: **FECFz** CPT:82705  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 3967  
 Turn-around-time: Setup: Sunday thru Thursday. Report available in 1-3 days

**Special Instructions:** See collection notes. FECFz: 5g (1g) Stool-FZ

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Stool Frozen	1

*ALTERNATE NAME: Lipid Stool*  
*COLLECTION NOTES: Patient should be on a normal diet which includes fat intake Patient should not use castor oil, mineral oil, suppositories or barium prior to collection of specimen Fat substitutes such as Olestra may cause interference and should be avoided*  
*Collect approximately 5 grams of semi-solid stool or approximately 5 mL of liquid stool and transfer to a properly labeled leak-proof container Transport sample frozen*  
*REJECTION CRITERIA: Sample submitted in paint cans, PVA formalin, Cary Blair, M4, swabs, or slides Samples containing mineral or castor oil; samples containing bismuth, creams or lubricants; Samples containing suppositories, barium*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: N/A; Refrig: 5 days; Frozen: 30 days*  
*CLINICAL SIGNIFICANCE: Results may indicate malabsorption or maldigestion False positive results can occur due to mineral oil or castor oil present in the specimen Large number of neutral fat globules may indicate steatorrhea*

**Fecal Globin By Immunochemist**

Test Code: **FECGz** CPT:82274  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 11290  
 Turn-around-time:

**Special Instructions:** STL PROT LIGHT AMB \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Special Container	1

*Quest 11290*  
*Fecal specimen must be collected from toilet water and brushed on the Insure(TM) FOBT Test Card Protect from light For clarification of Collection Instructions, please contact Customer Support 1-800-642-4657*  
*Set up M-F Report available in 1-4 days*

**Fecal Lipids, Total**

Test Code: **FECLIPz** CPT:82710  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 455  
 Turn-around-time:



**Special Instructions:** 20 gm 72HR STL FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Stool Frozen	3

**Ferritin**

Test Code: *FERRITI* CPT:82728  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

*LAB NOTES: High doses of Biotin may interfere with assay. See Notification, page 12.*

**Fetal Fibronectin**

Test Code: *FFN* CPT:82731  
 Dept: Chemistry Special Prefix: CS  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	FFN test kit	1

**Fetal Hemoglobin, Bld**

Test Code: *FEHGBWBz* CPT:83021  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 513X  
 Turn-around-time:

**Special Instructions:** 5 mL WB REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

**Fetal Screen**

Test Code: *FS* CPT:83033  
 Dept: Blood Bank Ref/Misc Testing Prefix: BZ  
 Turn-around-time: Results Pending

**Special Instructions:** Post Partum Specimen Only

<u>Age (Y)</u>
0-100

**Fibrinogen**

Test Code: *FIB* CPT:85384  
 Dept: Coagulation Prefix: K  
 Turn-around-time:

**Special Instructions:** Tube must be filled to mark.

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
----------------	------------------	---------------------

0-100

Blue NaCitate 2.7 mL

2.70000004768  
37198

*COLLECTION NOTES: The correct ratio of blood to anticoagulant must be maintained Level of blood in blue container must be at fill mark Transport to laboratory immediately*

*REJECTION CRITERIA: Hemolyzed, high hematocrit, or clotted*

*SPECIMEN STABILITY: Room Temperature 24 hours*

**Fibrinogen Ag,Nephelometry**

Test Code: **FIBAz** CPT:85385  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37801  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

**Flecainide**

Test Code: **FLEcz** CPT:80299  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 5309  
 Turn-around-time:

**Special Instructions: 2 mL S REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	2

**Folate (Folic Acid)**

Test Code: **FOLATE** CPT:82746  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	PST Green protect from Light	0.5

*LAB NOTES: High doses of Biotin may interfere with assay. See Notification, page 12.*

**Folate, RBC**

Test Code: **FOLRz** CPT:82747  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 467  
 Turn-around-time: Setup: Tuesday thru Saturday. Reports in 1-2 days.

**Special Instructions: Protect from light. FOLRz: 2(0.2)mL WB-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Ambient	1

*COLLECTION NOTES: Protect from light Wrap tube in aluminum foil  
 If specimen is not protected from light, specimen stability is reduced to 3 days*

**REJECTION CRITERIA:**

**LAB NOTES:** *If sample is sent frozen, a default hematorcrit will be used for calculation of the RBC folate*

**SPECIMEN STABILITY:** *Room temp: 5 days; Refrig: 5 days*

*Frozen: 30 days*

**CLINICAL SIGNIFICANCE:**

**Follicle Stim Hormone**

Test Code: **FSHSz**

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 470

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	SST	1

**Free Prostate Specific Antigen**

Test Code: **PSAF** CPT:84154

Dept: Chemistry Prefix: C

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Serum Separator Tube

**Fructosamine**

Test Code: **FRUCz** CPT:82985

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8340

Turn-around-time: Setup: Monday through Friday; Reports in 3-6 days.

**Special Instructions:** **FRUCz: 1(0.5)mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*ALTERNATE SPECIMENS: Heparinized plasma; EDTA plasma*

**COLLECTION NOTES:**

**REJECTION CRITERIA:** *hemolysis, moderate or grossly icteric*

**LAB NOTES:**

**SPECIMEN STABILITY:** *Room temp: 3 days; Refrig: 14 days*

*Frozen: 60 days*

**CLINICAL SIGNIFICANCE:** *The fructosamine assay is useful in monitoring the degree of glycemia over short-to-intermediate time frames (1-3 weeks) A fructosamine concentration greater than the established normal range is an indication of prolonged hyperglycemia of 1-3 weeks or longer The higher the fructosamine value, the poorer the degree of glycemia control Limitations: Patients with low albumin concentrations may exhibit depressed levels of fructosamine*

**FTA Antibodies**

Test Code: **FTAABSz** CPT:86780

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4112

Turn-around-time: Setup: Tuesday thru Saturday; Report available in 1-3 days.

**Special Instructions:** FTAABSz: 1(0.2) mL S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA: gross hemolysis, grossly icteric*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days*

*Frozen: 30 days*

*CLINICAL SIGNIFICANCE: The FTA-ABS is a specific treponemal assay to detect antibody to t Pallidum The FTA-ABS becomes reactive 4-6 weeks after infection Unlike the nontreponemal tests, once the FTA-ABS test becomes reactive, it will remain reactive for many years Since the reactivity found with the FTA-ABS does not indicate response to therapy, it is not suitable for monitoring treatment The FTA-ABS test does not distinguish between syphilis and other treponematoses such as yaws, pinta and bejil*

*Alternative Name(s)*

*Treponemal pallidum, Fluorescent Treponemal Antigen, Syphilis*

**Fungal Panel 2, by ID & CF**

Test Code: **FUNABSz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36563X  
 Turn-around-time:

**Special Instructions:** 2 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

**Fungitell(R) (1-3)-B-D-Glucan**

Test Code: **FUNTz** CPT:8431190  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16283  
 Turn-around-time: Setup: Daily. Reports in 1-2 days.

**Special Instructions:** FUNTz: 1(0.5)mL S-FZ

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel) Frozen	3.5

*COLLECTION NOTES:*

*REJECTION CRITERIA: Glass tubes are unacceptable*

*LAB NOTES: Pour serum off into a cryogenic vial*

*SPECIMEN STABILITY: Room temp: N/A; Refrig: 5 days*

*Frozen: 14 days*

*CLINICAL SIGNIFICANCE:*

**G6PD, Quant**

Test Code: **G6PDz** CPT:82955  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 500  
 Turn-around-time: Setup: Tuesday thru Saturday; Reports in 2-5 days.

**Special Instructions:** G6PDz: 1(0.5)mL WB-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

*ALTERNATE CONTAINERS: EDTA (lavender-top); EDTA (royal blue-top); Sodium heparin (green-top); Lithium heparin (green-top); ACD solution B (yellow-top); Sodium heparin lead-free (tan-top)*

*COLLECTION NOTES:*

*REJECTION CRITERIA: Received frozen*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 2 days; Refrig: 7 days*

*Frozen: N/A*

*CLINICAL SIGNIFICANCE: Invasive Fungal Infections (IFI) are increasing, especially among immunocompromised patients Most pathogenic fungi have (1->3)-beta-D-glucan in their cell walls and minute quantities are sloughed into the bloodstream and appear in the serum in cases of IFI Monitoring serum (1->3)-beta-D-glucan for evidence of elevated and rising levels provides a convenient surrogate marker for IFI*

### Gabapentin

Test Code: **GABz** CPT:80299  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3557X  
 Turn-around-time: Setup: Tuesday thru Saturday; Reports in 2-4 days.  
**Special Instructions: No gel tubes. Collect 2 hr post last dose. GABz:1(0.5)mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1.5

*ALTERNATE SPECIMENS: EDTA (lavender-top); Sodium heparin (green-top); Lithium heparin (green-top)*

*COLLECTION NOTES: Draw sample two hours after last dose*

*REJECTION CRITERIA: Gross hemolysis; gel tubes*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 5 days; Refrig: 12 days*

*Frozen: 30 days*

*CLINICAL SIGNIFICANCE: Gabapentin is an anticonvulsant drug commonly used as adjunctive therapy to treat partial seizures Therapeutic drug monitoring is useful to optimize dose and to avoid toxicity*

*Alternative Name(s) Neurotin, Neurontin*

### GAD 65 Ab

Test Code: **GADz** CPT:86341  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34878  
 Turn-around-time: Setup: Sunday thru Friday; Reports in 3- 5 days.  
**Special Instructions: GADz: 1(0.5) mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days*

*Frozen: 28 days*

*CLINICAL SIGNIFICANCE: Glutamic acid decarboxylase (GAD-65) antibody is useful to diagnose insulin dependent diabetes*

*mellitus [Type I diabetes (autoimmune-mediated diabetes)] to assess risk for development of Type I diabetes, to predict onset of Type I diabetes, and risk of development of related endocrine disorders, eg, thyroiditis Before clinical onset, Type I diabetes is characterized by lymphocytic infiltration of the islet cells, and by circulating autoantibodies against a variety of islet cell antigens, including GAD-65, IA-2 (a tyrosine phosphatase-like protein), and insulin (IAA)*

**Limitations**

*GAD-65 antibodies are detected in 20% of diabetic twins who remain disease-free for long periods of time and in 8% of healthy individuals*

**Gamma Glutamyl Transpeptidase**

Test Code: *GGT* CPT:82977  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

Age (Y)	Container	Volume (mLs)
0-100	Green Li Heparin PST	0.5

**Ganglioside GD1b Ab IgM**

Test Code: *GANGDBMz* CPT:83520  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37439  
 Turn-around-time:

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel)	0.5

37439

*Ganglioside GD1b Antibody (IgM), EIA Serum*

*Red-top (no gel); SST (red-top) 1 mL*

*Room Temp: 48 Hours , Refrig: 14 Days , Frozen: 30 Days*

*Ship refrigerated (Okay to thaw)*

*Overnight fasting is preferred*

**Ganglioside GM-1 Ab IgG,IgM**

Test Code: *GGMz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37093  
 Turn-around-time: Setup: Monday and Wednesday. Reports in 4-7 days.

**Special Instructions:** *GGMz: 1(0.2) mL S-RF*

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel)	1

**COLLECTION NOTES:**

*REJECTION CRITERIA: Received room temperature*

**LAB NOTES:**

*SPECIMEN STABILITY: Room temp: N/A; Refrig: 14 days*

*Frozen:30 days*

*CLINICAL SIGNIFICANCE: Ganglioside GM-1 Antibody IgG is associated with the Guillain-Barre syndrome, particularly the acute motor axonal neuropathy variant Antibody IgM is associated*

*with chronic multifocal motor neuropathy*

*Alternative Name(s)*

*GM-1 Antibody*

**Gastric Parietal Cell Ab**

Test Code: **GASABz**

CPT:83516

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 15114

Turn-around-time:

Setup: Tuesday,Thursday,Saturday; Reports in 2-5 days.

**Special Instructions:**

**GASABz: 1(0.3) mL S-RF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

3.5

*COLLECTION NOTES:*

*REJECTION CRITERIA: Gross hemolysis, lipemia, microbial contaminated*

*Serum, or specimen displaying heavy visible particulate*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: N/A; Refrig: 14 days*

*Frozen:30 days*

*CLINICAL SIGNIFICANCE: Gastric Parietal Cell Antibodies (GPA)*

*test results are used in the diagnosis of pernicious anemia*

*Alternative Name(s)*

*Gastric Parietal Cell Antibody, Elisa*

**Gastrin, Serum**

Test Code: **GASTRz**

CPT:82941

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 478

Turn-around-time:

Setup: Mon,Wed,Fri; Reports in 3-6 days.

**Special Instructions:**

**12 hours fasting preferred. GASTRz: 1(0.5)mL S-FZ**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*COLLECTION NOTES:*

*REJECTION CRITERIA: hemolysis, grossly lipemic, moderate or grossly icteric*

*LAB NOTES: Freeze immediately*

*SPECIMEN STABILITY: Room temp: N/A; Refrig: N/A*

*Frozen: 28 days*

*CLINICAL SIGNIFICANCE: For the diagnosis and monitoring of gastrin-secreting tumors, gastric ulcer, Zollinger-Ellison syndrome Increased in pernicious anemia*

**GC/Chlamydia by PCR**

Test Code: **CHGCPCR**

Dept: LAB Module Microbiology Tests

Prefix: LM

Turn-around-time:

Age (Y)

Container

Volume (mLs)

0-100

First Morning Urine

30

0-100

Aptima Swab

0-100

Thin Prep Preservcyt

4

First morning "dirty" catch Urine or no void within 4 hours

**Gentamicin, Random**

Test Code: *GENT* CPT:80170  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Gentamicin, Peak**

Test Code: *GENTP* CPT:80170  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

**Special Instructions:** Specimen should be collected 30 minutes after infusion.

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Gentamicin, Trough**

Test Code: *GENTT* CPT:80170  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

**Special Instructions:** Specimen should be collected 5-30 minutes prior to infusion.

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Giardia & Cryptosporidium Ag**

Test Code: *GIACRYAG* CPT:  
 Dept: LAB Module Microbiology Tests Prefix: LM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Stool Trans Container (MIC)	1

**Giardia Ag**

Test Code: *GIAAG* CPT:87329  
 Dept: LAB Module Microbiology Tests Prefix: LM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Stool Trans Container (MIC)

**Giardia Lamblia Ab by IFA**

Test Code: *GIALASz* CPT:86674  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34265X  
 Turn-around-time:

**Special Instructions:** 1 mL S REF



<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

34265X

*Giardia Antibody, IFA (40500)*

*Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature (Okay to thaw)*

**Gliadin (Deamidated) IgA Ab**

Test Code: **GLIAAz** CPT:83516  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 11228  
 Turn-around-time: Setup: Monday and Thursday; Reports in 2-6 days.  
**Special Instructions:** **GLIAAz: 1(0.5)mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*  
*REJECTION CRITERIA: Gross hemolysis, gross lipemia*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 4 days; Refrig: 7 days*  
*Frozen: 30 days*  
*CLINICAL SIGNIFICANCE: Detection of antibodies to gliadin, one of the major protein components of gluten, is a sensitive assay useful in diagnosing celiac disease. However, gliadin antibodies may be found in individuals without celiac disease; thus gliadin antibody assays are less specific than assays measuring antibodies to endomysium and transglutaminase. Recent work has revealed that gliadin-reactive antibodies from celiac patients bind to a very limited number of specific epitopes on the gliadin molecule. Further, deamidation of gliadin results in enhanced binding of gliadin antibodies. Based on this information, assays using deamidated gliadin peptides bearing the celiac-specific epitopes have much higher diagnostic accuracy for celiac disease when compared to standard gliadin antibody assays.*

**Gliadin (Deamidated) IgA/IgG**

Test Code: **GLIADAGz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8889  
 Turn-around-time: Setup: Monday and Thursday; Reports in 2-6 days.  
**Special Instructions:** **GLIADAGz: 1(0.5)mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:*  
*REJECTION CRITERIA: Gross hemolysis, gross lipemia*  
*LAB NOTES:*  
*SPECIMEN STABILITY: Room temp: 4 days; Refrig: 7 days*  
*Frozen: 30 days*  
*CLINICAL SIGNIFICANCE: Detection of antibodies to gliadin, one of the major protein components of gluten, is a sensitive assay*

*useful in diagnosing celiac disease However, gliadin antibodies may be found in individuals without celiac disease; thus gliadin antibody assays are less specific than assays measuring antibodies to endomysium and transglutaminase Recent work has revealed that gliadin-reactive antibodies from celiac patients bind to a very limited number of specific epitopes on the gliadin molecule Further, deamidation of gliadin results in enhanced binding of gliadin antibodies Based on this information, assays using deamidated gliadin peptides bearing the celiac-specific epitopes have much higher diagnostic accuracy for celiac disease when compared to standard gliadin antibody assays*

---

**Gliadin (Deamidated) IgG Ab**

Test Code: **GLIAGz** CPT:83516  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 11212  
 Turn-around-time: Setup: Monday and Thursday; Reports in 2-6 days.

**Special Instructions:** **GLIAGz: 1(0.5)mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*COLLECTION NOTES:  
 REJECTION CRITERIA: Gross hemolysis, gross lipemia  
 LAB NOTES:  
 SPECIMEN STABILITY: Room temp: 4 days; Refrig: 7 days  
 Frozen: 30 days  
 CLINICAL SIGNIFICANCE: Detection of antibodies to gliadin, one of the major protein components of gluten, is a sensitive assay useful in diagnosing celiac disease However, gliadin antibodies may be found in individuals without celiac disease; thus gliadin antibody assays are less specific than assays measuring antibodies to endomysium and transglutaminase Recent work has revealed that gliadin-reactive antibodies from celiac patients bind to a very limited number of specific epitopes on the gliadin molecule Further, deamidation of gliadin results in enhanced binding of gliadin antibodies Based on this information, assays using deamidated gliadin peptides bearing the celiac-specific epitopes have much higher diagnostic accuracy for celiac disease when compared to standard gliadin antibody assays*

---

**Glomerular Basement Membran Ab**

Test Code: **GBMABz** CPT:83520  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 257X  
 Turn-around-time: Setup: Tues, Thurs, Sat; Reports in 3-6 days.

**Special Instructions:** **GBMABz: 1(0.3)mL S-RF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*COLLECTION NOTES:  
 REJECTION CRITERIA: Gross hemolysis  
 LAB NOTES:  
 SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days  
 Frozen: 30 days  
 CLINICAL SIGNIFICANCE: Glomerular Basement Membrane Antibody is present in one fourth of patients with Goodpastures syndrome*

*This syndrome consists of glomerulonephritis and pulmonary hemorrhage*

*Limitations: Weakly positive results (5-30 EU/mL) may occur in patients who do not have antiglomerular basement membrane antibody-mediated disease*

---

### Glucagon

Test Code: **GLUGz** CPT:82943  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 519  
 Turn-around-time: Setup: Monday; Reports in 6 days  
**Special Instructions: Overnight fasting required. GLUGz: 3(1.1)mL P-FZ**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Frozen	1.5

*COLLECTION NOTES: Overnight fasting required*

*REJECTION CRITERIA: Gross or moderate icterus*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 1 days; Refrig: 1 days*

*Frozen: 28 days*

*CLINICAL SIGNIFICANCE:*

---

### Glucose

Test Code: **GLU** CPT:82947  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

---

### Glucose Tolerance, 1 HR OB

Test Code: **GTT0B1.T** CPT:  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	1 Hour Glucose

---

### Glucose Tolerance, 2 Hr

Test Code: **GTT2.T** CPT:82951  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	2 Hour Glucose

---

### Glucose Tolerance, 3 HR OB

Test Code: **GTT0B3.T** CPT:  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

Age (Y)  
0-100

Container  
3 Hour Glucose

**Glucose, 1 Hr Postprandial**

Test Code: *GLUPP1* CPT:82950  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

Age (Y)  
0-100

Container  
Green Li Heparin PST

Volume (mLs)  
1

**Glucose, 2 Hr Postprandial**

Test Code: *GLUPP2* CPT:82950  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

Age (Y)  
0-100

Container  
Green Li Heparin PST

Volume (mLs)  
1

**Glucose, Body FL**

Test Code: *GLUFL* CPT:82945  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

Age (Y)  
0-100

Container  
Green Li Heparin PST

**Glucose, CSF**

Test Code: *GLUCSF* CPT:82945  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

Age (Y)  
0-100

Container  
CSF Tube (MIC)

Volume (mLs)  
1

**Glucose, Pericardial**

Test Code: *GLUPCF* CPT:82945  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

Age (Y)  
0-100

Container  
Special Container

Volume (mLs)  
1

**Glucose, Peritoneal**

Test Code: *GLUPTF* CPT:82945

Dept: Chemistry Fluids Prefix: CF

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

**GlycoMark «**

Test Code: *GMz* CPT:84378  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 19599  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*19599*

*GlycoMark (R)*

*Serum*

*Red-top (no gel); SST (red-top/plastic); SST (red-top/glass);*

*EDTA (lavender-top)*

*1 mL*

*Room Temp: 7 Days , Refrig: 7 Days , Frozen: 28 Days*

*Ship room temperature*

**Gravity (Blue) Steam**

Test Code: *ATTBLU* CPT:  
 Dept: Environmental Testing Prefix: EV  
 Turn-around-time:

<u>Age (Y)</u>
0-100

**Gravity (Brown) Steam**

Test Code: *ATTBRGR* CPT:  
 Dept: Environmental Testing Prefix: EV  
 Turn-around-time:

<u>Age (Y)</u>
0-100

**Growth Hormone**

Test Code: *GHZ* CPT:83003  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 521  
 Turn-around-time: Setup: Tues thru Sat; Reports in 1-2 days

**Special Instructions:** See collection notes. GHZ: 1(0.5)mL S-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*COLLECTION NOTES: Random Growth Hormone collection should be performed on fasting patients who have rested for at least 30 minutes*

prior to collection

REJECTION CRITERIA:

LAB NOTES:

SPECIMEN STABILITY: Room temp: 7 days; Refrig: 14 days

Frozen: 28 days

CLINICAL SIGNIFICANCE: Glucagon measurement is useful primarily when considering a glucagon-secreting tumor of the pancreas

Glucagon is also used to diagnose glucagon deficiency in patients with hypoglycemia

Alternative Name(s): Pancreatic Hypercalcemic Factor

**H. Influenza A B w Sub RNA**

Test Code: *INABPCRz*

CPT:

Dept: Reference Microbiology

Prefix: ZM

Quest Diagnostics Nichols Inst 91335

Turn-around-time:

Special Instructions: 3 mL Nasal or Naso SWB, REF

Age (Y)	Container	Volume (mLs)
0-100	Sterile Swab (MIC)	1

91335

Influenza A and B Virus with Subtyping, Real-Time PCR

Nasal swab or Nasopharyngeal swab

Multi Microbe Media (M4)

3 mL

Room Temp: 48 Hours, Refrig: 7 Days, Frozen: 30 Days

Ship refrigerated

**H. Influenza A H1N1, PCR**

Test Code: *INH1N1z*

CPT:87502

Dept: Reference Microbiology

Prefix: ZM

Quest Diagnostics Nichols Inst 16807

Turn-around-time:

Special Instructions: 3 mL RESP SWB or NASO SWB or OTH REF \*

Age (Y)	Container	Volume (mLs)
0-100	Sterile Swab (MIC)	1

16807

Influenza A H1N1 (2009) Real-Time RT-PCR (46585)

Respiratory swab or Nasopharyngeal swab or Nasal aspirate or Throat swab

Multi Microbe Media (M4); V-C-M medium (green-cap) tube or equivalent (UTM)

3 mL

Room Temp: 48 Hours, Refrig: 7 Days, Frozen: 30 Days

Ship refrigerated

Swabs must be sterile Dacron, nylon, or rayon with plastic shafts Place swab in sterile viral transport media containing

protein stabilizer, antibiotics to inhibit bacterial fungal growth, and buffer solutions (eg UTM, VCM, M4, M5, M6 and other

media intended to transport chlamydia, mycoplasma or viruses)

**H. Influenza B, IgG**

Test Code: *HINBz*

CPT:86684

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 35135

Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

35135

*Haemophilus influenzae Type b (IgG)*

Serum

*SST (red-top); Red-top (no gel)*

1 mL

Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days

Ship room temperature

---

**H. Papillomavirus DNA, Lo&Hi**

Test Code: *HPVDHLz* CPT: Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 36453  
 Turn-around-time:

**Special Instructions:** 1 mL CERV BRUSH REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Special Container	1

36453

*HPV DNA, Low and High Risk*

*Cervical brush*

*Digene cervical sampler (brush); Digene Specimen Collection Kit;*

*Leak-proof 15 ml conical tube; Liquid Cytology (PreservCyt(R))*

*Preservative (Thin Prep(R))*

*1 mL Digene specimen transport medium or 61 mL Cytyc ThinPrep*

*solution or 2 mL SurePath Cytorich fraction or 2 mm biopsy*

*specimen*

Room Temp: 14 Days , Refrig: 21 Days , Frozen: 90 Days

Ship room temperature; Tissue: Frozen

*Instructions for SurePath(R) liquid based Pap smear sample: To*

*submit HPV and SurePath(R) liquid cytology testing submit a*

*SurePath(R) vial according to SurePath(R) collection*

*instructions If only HPV testing is requested and cytology will*

*be performed elsewhere; Following cytology slide preparation, add*

*2 ml of fresh SurePath(R) fluid to the CytoRich(R) fraction*

*Vortex or mix gently for 5 seconds Cap and transport this sample*

*to the laboratory for HPV testing Note: Pelleted samples are*

*stable for 14 days from the date of sample collection If this*

*sample is being collected for reflex to genotyping do not submit*

*in a Digene(R) Cervical Sampler The correct submission for*

*reflex to genotyping is a SurePath(R) or ThinPrep(R) sample*

---

**H. pylori Ab, IgG**

Test Code: *XHPIGGz* CPT:86677  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 29407  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

29407

*Helicobacter pylori Antibody (IgG)*

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days

Ship room temperature

**H. pylori Ab, IgG,A,M**

Test Code: *XHPYABz*

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 20325

Turn-around-time:

**Special Instructions:** 1 mL S REF

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

3.5

20325

*Helicobacter pylori Antibodies (IgG, IgA, IgM)*

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days

Ship room temperature

**H. pylori Ab, IgM**

Test Code: *XHPYLMz*

CPT:86677

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 34123

Turn-around-time:

**Special Instructions:** 1 mL S REF

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

1

34123

*Helicobacter pylori Antibody (IgM)*

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days

Ship room temperature

**H. pylori Ag, Stool by EIA**

Test Code: *HPYSTOz*

CPT:87338

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 34838

Turn-around-time: Setup: daily; Reports in 1-4 days.

**Special Instructions:** HPYSTOz: 0.5 g STL-FZ

Age (Y)

0-100

Container

Stool Frozen

Volume (mLs)

1

*COLLECTION NOTES: Collect 05 mL or 05 grams of semi-solid stool or 20 mm diameter*

*solid stool and transfer to properly labeled plastic, leak-proof container Do not place stool in preservative, transport media or swab Watery, diarrheal stool is not acceptable*

*For initial diagnostic purposes no special patient preparation is*



required Patients are not required to be off of medications or to fast before this test

REJECTION CRITERIA: Watery diarrheal stool; transport media; Swab

LAB NOTES:

SPECIMEN STABILITY: Room temp: N/A; Refrig: 3 days

Frozen: 30 days

CLINICAL SIGNIFICANCE: Colonization with *H pylori* is associated with increased risk of patients developing gastritis, peptic ulcer disease, and gastric adenocarcinoma Stool antigen testing provides a sensitive measure of infection including during and after treatment

## H. pylori urease

Test Code: **HPYLUR**

CPT:

Dept: LAB Module Microbiology Tests Prefix: LM

Turn-around-time:

Age (Y)	Container	Volume (mLs)
0-100	H Pylori CLO (MIC)	1

## Hantavirus Abs IgG/IgM

Test Code: **HABz**

CPT:

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37547

Turn-around-time: Setup: Monday thru Saturday; Report in 1-3 days

Special Instructions: **HABz: 1(0.3)mL S-RF**

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	1

COLLECTION NOTES:

REJECTION CRITERIA:

LAB NOTES:

SPECIMEN STABILITY: Room temp: 5 days; Refrig: 14 days

Frozen: 30 days

CLINICAL SIGNIFICANCE: Two major groups of hantaviruses are recognized based on clinical presentation The first group includes Sin Nombre virus, which causes hantavirus pulmonary syndrome, a severe and possibly fatal form of acute respiratory distress A second group of hantaviruses (including Seoul, Hantaan, Dobrava, and Puumala viruses) causes hemorrhagic fever with renal syndrome, a condition not typically seen in the United States Sera are initially screened for IgG and IgM Antibody recognizing the nucleocapsid protein common to all hantaviruses All equivocal and positive samples are further tested in confirmatory assays to detect antibody specific for Sin Nombre virus A positive result in the screening ELISA but a negative result in a confirmatory assay may indicate reactivity to a hantavirus causing hemorrhagic fever with renal syndrome

## Haptoglobin

Test Code: **HAPz**

CPT:84703

Dept: Reference Prefix: Z Quest Diagnostic Nichols Inst 502

Turn-around-time:

Age (Y)  
0-100

Container  
SST

Volume (mLs)  
1

Overnight fasting is preferred.

### HCG, Qual

Test Code: *HCGQL*

CPT:84703

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)  
0-100

Container  
SST

Volume (mLs)  
1

### HCG, Ur Qualitative

Test Code: *HCGUR*

CPT:

Dept: Urinalysis

Prefix: U

Turn-around-time:

Age (Y)  
0-100

Container  
Urine Sterile Cup

Volume (mLs)  
0.5

### HCG, Beta CSF

Test Code: *HCGBCz*

CPT:

Dept: Reference Fluid

Prefix: ZF

Quest Diagnostics Nichols Inst 93927

Turn-around-time:

Age (Y)  
0-100

Container  
CSF Frozen

17548

*hCG, Total, CSF*

*CSF*

*Sterile transport tube*

*3 mL*

*Room Temp: 7 Days, Refrig: Unacceptable, Frozen: 28 Days*

*Ship frozen*

*Grossly hemolyzed specimens are unacceptable*

### HE4 Ovarian CA Monitoring

Test Code: *HE4Oz*

CPT:86305

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 16500

Turn-around-time:

Setup: Mon, Wed, Fri; Reports in 2-5 days.

Special Instructions:

*HE4Oz: 0.5(0.3) mL S-FZ*

Age (Y)  
0-100

Container  
Serum Separator Tube Frozen

Volume (mLs)  
2

*COLLECTION NOTES:*

*REJECTION CRITERIA: Gross hemolysis; lipemia; icteric specimens; presence of fibrins*

*rbcs, or other particulate matter;*

**LAB NOTES:** *Sample collected in red-top tube must be allowed to clot for at least 30 minutes but no longer than 1 hour*

*least 30 minutes but no longer than 1 hour*

**SPECIMEN STABILITY:** *Room temp: 2 days; Refrig: 3 days*

*Frozen: 28 days*

**CLINICAL SIGNIFICANCE:** *The percentage increase in HE4 values has been used as an aid in monitoring recurrence or progressive disease in patients with invasive epithelial ovarian cancer*

*Currently there is no clinically accepted cut-off for use in monitoring cancer progression in epithelial ovarian cancer*

*subjects with this assay Serial testing for patient HE4 assay values should be used in conjunction with methods used for monitoring ovarian cancer*

*Limitations*

*A clinical study indicated that serial HE4 levels correlated with clinical status (progression vs no progression) in 70% (247/354) of the study participants*

*of the study participants*

### Heavy Metals Panel, Ur

Test Code: **HMURz**

CPT:

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 7507

Turn-around-time: Setup: Mon, Wed, Fri; Reports in 1 day.

**Special Instructions:** See collection notes. **HMURz: 7(3)mL U-RF**

Age (Y)

Container

Volume (mLs)

0-100

Acid Washed Container

0.5

**COLLECTION NOTES:** *Avoid worksite collection Collect urine in an acid washed or metal free plastic container Tests performed on a specimen submitted in a non-trace element tube or non acid washed/non metal free container may not accurately reflect the patients level If a non-trace element tube/container is received, it will be accepted for testing However, elevated results shall be reported with a message that a re-submission with a trace element tube/container is recommended Avoid seafood consumption for 48 hours prior to sample collection*

*REJECTION CRITERIA:*

**LAB NOTES:**

**SPECIMEN STABILITY:** *Room temp: 2 days; Refrig: 5 days*

*Frozen: 14 days*

**CLINICAL SIGNIFICANCE:** *Excessive exposure to heavy metals can cause acute and chronic toxicity Heavy Metals Panel is intended to evaluate and monitor exposure to heavy metals and evaluate the process of detoxification*

*Includes*

*Arsenic, Mercury, Lead, Creatinine*

*Limitations*

*Ingestion of seafood within three days of specimen collection can affect results*

### Heavy Metals Panel, Ur 24hr

Test Code: **HMUz**

CPT:

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 36438

Turn-around-time: Setup: Tues, Thurs, Sat; Reports in 1 day.

**Special Instructions:** See collection notes. **HMUz:7(3) mL 24U-RF**

Age (Y)

Container

Volume (mLs)

*COLLECTION NOTES: Avoid worksite collection Collect urine in an acid washed or metal free plastic container Tests performed on a specimen submitted in a non-trace element tube or non acid washed/non metal free container may not accurately reflect the patients level If a non-trace element tube/container is received, it will be accepted for testing However, elevated results shall be reported with a message that a re-submission with a trace element tube/container is recommended Avoid seafood consumption for 48 hours prior to sample collection*

**REJECTION CRITERIA:**

**LAB NOTES:**

**SPECIMEN STABILITY:** Room temp: 2 days; Refrig: 5 days

Frozen: 14 days

**CLINICAL SIGNIFICANCE:** Includes Arsenic, Lead, Mercury Excessive exposure to Heavy Metals can cause acute and chronic toxicity Heavy Metals Panel is intended to evaluate and monitor exposure to heavy metals and evaluate the process of detoxification

**Heavy Metals Panel, Bld**

Test Code: **HMBz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7655

Turn-around-time:

**Special Instructions:** 4 mL WB AMB \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal EDTA	2

7655

Heavy Metals Panel, Blood

Whole blood

EDTA (royal blue-top); Sodium heparin (royal blue-top)

4 mL

Room Temp: 5 Days , Refrig: 7 Days , Frozen: Unacceptable

Ship room temperature

Carefully clean skin prior to venipuncture Avoid worksite collection Tests performed on a specimen submitted in a non-trace element tube or non acid washed/non metal free container may not accurately reflect the patients level If a non-trace element tube/container is received, it will be accepted for testing However, elevated results shall be reported with a message that a re-submission with a trace element tube/container is recommended Avoid seafood consumption for 48 hours prior to sample collection

**Helicobacter pylori, UBiT«**

Test Code: **HPUBTz** CPT:83013  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 14839

Turn-around-time:

**Special Instructions:** BREATH AMB \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	H Pylori Breath	1

14839

*Helicobacter pylori Urea Breath Test (UBiT-(R))  
 Breath*

*Capped pink and blue Breath UbiT UBT collection bags  
 Room Temp: 7 Days , Refrig: Unacceptable , Frozen: Unacceptable  
 Ship room temperature*

*The test can only be performed on specimens from patients greater than 18 years old Human breath: Paired breath samples (pre and post) collected in BreathTek UBT Collection Kit bags must be submitted together Follow instructions provided with kit Patient should fast one hour before collection of baseline breath sample Patient must be off antibiotics, proton-pump inhibitors (ie Prilosec(TM), Nexium(TM), Protonix (TM), Aciphex(TM)), and bismuth preparations two weeks prior to administration of test Pranactin(R)-Citric contains a small amount of aspartame sweetener Test may not be suitable for patients with phenylketonuria whose dietary phenylalanine should be restricted*

**Hematocrit**

Test Code: *HCT* CPT:85014  
 Dept: Hematology Prefix: H  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Lavender

*CPT:85014*

**Hemoglobin**

Test Code: *HGB* CPT:85018  
 Dept: Hematology Prefix: H  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Lavender

*CPT: 85018*

**Hemoglobin & Hematocrit**

Test Code: *HH* CPT:  
 Dept: Hematology Prefix: H  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

*CPT: 85014 ; 85018*

**Hemoglobin A1C**

Test Code: *HGBA1C* CPT:83036  
 Dept: Chemistry Prefix: C

Turn-around-time:

Special Instructions: **HGBA1C: 3 mL WB AMB**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	3

### Hemoglobin A2

Test Code: **HBA2z** CPT:83021  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 511X  
 Turn-around-time:

Special Instructions: **5 mL WB AMB \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

511X

*Hemoglobin A2, Quantitative  
 Whole blood*

*EDTA (lavender-top); Sodium heparin (green-top); Potassium oxalate (gray-top); PTH-related protein (special collection tube)  
 5 mL*

*Room Temp: 7 Days , Refrig: 7 Days , Frozen: Unacceptable  
 Ship room temperature*

*Patient age and ethnicity are necessary for proper interpretation Blood transfusions within the last 4 months may affect results*

### Hemoglobin Free, PI

Test Code: **HBFz** CPT:83051  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 514  
 Turn-around-time:

Special Instructions: **1 mL PL REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green (Sodium Heparin)	4

514

*Hemoglobin, Free, Plasma (514)  
 Plasma*

*Sodium heparin (green-top); Lithium heparin (green-top)  
 1 mL*

*Room Temp: 7 Days , Refrig: 7 Days Frozen: Unacceptable  
 Room temperature*

*Centrifuge plasma within 1 hour of collection, transfer the plasma to sterile, plastic, screw-capped vial(s), and send Room temperature*

### Hemoglobinopathy Eval

Test Code: **HEz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 35489  
 Turn-around-time:

Special Instructions: **5 mL WB REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

35489  
 Hemoglobinopathy Evaluation  
 Whole blood  
 EDTA (lavender-top)  
 5 mL  
 Room Temp: 72 Hours , Refrig: 6 Days , Frozen: Unacceptable  
 Ship room temperature  
 Patient age and ethnicity are necessary for proper  
 interpretation Whole blood from full EDTA (lavender-top) tube  
 Blood transfusions within the last 4 months may affect results

---

**Hemogram**

Test Code: **HGRAM** CPT:85027  
 Dept: Hematology Prefix: H  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

CPT: 85027

---

**Heparin Induced Platelet Ab**

Test Code: **HEPINDPz** CPT:86022  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 414  
 Turn-around-time:

**Special Instructions: 1 mL S ASAP FRZ \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel) Frozen	1.5

414  
 Heparin-Induced Platelet Antibody  
 Serum  
 Red-top (no gel); 32% Sodium Citrate (lt blue-top)  
 1 mL  
 Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: 28 Days  
 Ship frozen  
 Centrifuge red top tube 15 minutes at approximately 1500g as soon  
 as possible after clotting

---

**Hepatic Function Panel**

Test Code: **HEPATIC** CPT:80076  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	2

CPT: 80076  
 QUEST#10256

---

**Hepatitis Acute Panel**

Test Code: **HEPACUT** CPT:80074  
 Dept: Immunology Prefix: IM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

**Hepatitis B Surface AB**

Test Code: **HBSAB** CPT:86706  
 Dept: Immunology Prefix: IM  
 Turn-around-time:  
**Special Instructions:** **HBSAB - Serum Only**

<u>Age (Y)</u>	<u>Container</u>
0-100	Serum Separator Tube

**Hepatitis B Surface AG**

Test Code: **HBSAG** CPT:  
 Dept: Immunology Prefix: IM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Serum Separator Tube

**Hepatitis B Virus DNA, PCR**

Test Code: **HBVPz** CPT:87516  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34181  
 Turn-around-time:  
**Special Instructions:** **3 mL PL REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

*34181  
 Hepatitis B Virus DNA, Qualitative, Real-Time PCR  
 Plasma  
 EDTA (lavender-top); PPT Potassium EDTA (white top); Red-top (no gel); SST (red-top/plastic)  
 3 mL  
 Room Temp: 72 Hours , Refrig: 7 Days , Frozen: 42 Days  
 Ship frozen  
 Separate plasma from whole blood within 1 day of collection by centrifugation at 800 to 1600 x g for 20 minutes at room temperature Recommend collecting two tubes per patient to avoid QNS*

**Hepatitis B Virus DNA, Quant**

Test Code: **HBVDz** CPT:87517  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8369  
 Turn-around-time:  
**Special Instructions:** **1 mL PL FRZ \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
----------------	------------------	---------------------



8369

*Hepatitis B Virus DNA, Quantitative, Real-Time PCR*

*Plasma*

*EDTA (lavender-top); PPT Potassium EDTA (white top); SST (red-top/plastic); Red-top (no gel)*

*3 mL (1 mL minimum)*

*Rejection Criteria: Unspun whole blood samples greater than 24 hours from collection*

*Room Temp: 72 Hours, Refrig: 7 Days, Frozen: 42 Days*

*Ship frozen (Do not thaw)*

*Separate plasma from whole blood within 1 day of collection by centrifugation at 800 to 1600 x g for 20 minutes at room temperature*

*This test requires a separately collected sample*

**Hepatitis C RNA PCR,rf GenLiPA**

Test Code: *HCVQGz*

CPT:87522

Dept: Reference Microbiology

Prefix: ZM

Quest Diagnostics Nichols Inst 11348

Turn-around-time:

**Special Instructions:** 3 mL PL REF \*

Age (Y)

Container

Volume (mLs)

0-100

Lavender

3

11348

*Hepatitis C Viral RNA, Quantitative PCR with Reflex to Genotype, LiPA*

*Plasma*

*See Components*

*5 mL*

*Room Temp: 72 Hours, Refrig: 14 Days, Frozen: 42 Days*

*Ship refrigerated*

*Separate plasma from whole blood within 24 hours of collection by centrifugation at 800 to 1600 x g for 20 minutes at room temperature*

*Transfer plasma to a plastic screw-cap vial and refrigerate*

**Hepatitis C Viral RNA Genotype**

Test Code: *HCVGz*

CPT:87902

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 37811

Turn-around-time:

**Special Instructions:** 2 mL PL REF \*

Age (Y)

Container

Volume (mLs)

0-100

PPT Potassium EDTA (white top)

6

37811

*Hepatitis C Viral RNA Genotype, LiPA*

*Plasma*

*PPT Potassium EDTA (white top); ACD solution B (yellow-top); EDTA (lavender-top); Red-top (no gel); SST (red-top/plastic)*

*2 mL*

*Room Temp: 72 Hours, Refrig: 14 Days, Frozen: 42 Days*

*Ship refrigerated*

*Separate serum or plasma from whole blood within 24 hours of collection by centrifugation at 800-1600 x g for 20 minutes at room temperature. Transfer the plasma to a properly identified, sterile, polypropylene screw-cap vial and ship refrigerated or frozen.*

**Hepatitis C Viral RNA, Qual**

Test Code: *HCVTz* CPT:87521  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37273  
 Turn-around-time:

**Special Instructions:** 2 mL PL FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	PPT Potassium EDTA (white top)	3

37273

*Hepatitis C Viral RNA, Qualitative TMA*

*Plasma*

*PPT Potassium EDTA (white top); EDTA (lavender-top); Sodium heparin (green-top); 32% Sodium Citrate (lt blue-top); ACD solution B (yellow-top); Red-top (no gel); SST (red-top/plastic) 2 mL*

*Room Temp: 2 Hours , Refrig: 48 Hours , Frozen: 90 Days*

*Ship frozen (Do not thaw)*

*Plasma: Collect blood in sterile tubes containing EDTA anticoagulant; either 0.15% solution v/v final EDTA K3 (standard EDTA tube) or 9 mg spray-dried EDTA K2 (Plasma Preparation Tube or PPT tube with plasma separator-gel, preferred) Blood collected in tubes containing ACD anticoagulant are acceptable but will yield results approximately 15% lower when compared to EDTA tubes due to the dilution effect of the 15 mL of anticoagulant used in the tube. Store whole blood at room temperature and separate plasma from cells within 6 hours of collection. Transfer plasma to sterile, plastic, screw-capped aliquot tubes and store at -18 C or colder. Do not clarify plasma by filtration or further centrifugation. Avoid repeated freezing and thawing of specimen. Note: If blood is collected in a PPT tube, centrifuge within 6 hours of collection as before, but it is not necessary to transfer the plasma to aliquot tubes. Following centrifugation, a gel barrier maintains separation of plasma from cellular components during specimen transport and storage, and unlike standard VACUTAINER Brand blood collection tubes, the PPT tube is plastic and hence the plasma can be shipped and stored frozen in the original tube. Serum: Collect blood in sterile tubes with no anticoagulants; serum separator tubes (SSTs) are recommended. Allow blood to clot at room temperature and separate serum from cells within 6 hours of collection. Transfer serum to sterile, plastic screw-capped, aliquot tubes and store at -18 C or colder. Avoid repeated freezing and thawing of specimen.*

**Hepatitis C Viral RNA, Quant**

Test Code: *HCVRz* CPT:87522  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 35645  
 Turn-around-time:

**Special Instructions:** EDTA Plasma 1 mL REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
----------------	------------------	---------------------

35645  
 Hepatitis C Viral RNA, Quantitative, Real-Time PCR  
 Plasma  
 EDTA (lavender-top); PPT Potassium EDTA (white top); Red-top (no gel); SST (red-top)  
 3 mL (1 mL minimum)  
 Room Temp: 72 Hours, Refrig: 14 Days, Frozen: 42 Days  
 Ship refrigerated  
 Rejection Criteria: whole blood samples greater than 24 hours old; frozen whole blood  
 Freshly drawn specimens (whole blood) may be stored at 2 C to 25 C for up to 24 hours prior to centrifugation Separate plasma from whole blood within 24 hours of collection by centrifugation at 800 to 1600 x g for 20 minutes at room temperature Transfer plasma to a plastic screw-cap vial and refrigerate

---

**Hepatitis D Ab, IgM**

Test Code: **HEPDABz** CPT:86692  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4990  
 Turn-around-time:

**Special Instructions:** 1 mL S REF  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

4990  
 Hepatitis D Antibody, Total (24310)  
 Serum  
 SST (red-top/plastic); SST (red-top/glass); Red-top (no gel)  
 1 mL  
 Room Temp: 7 Days, Refrig: 14 Days, Frozen: 30 Days  
 Ship room temperature (Okay to thaw)

---

**HER2 ELISA**

Test Code: **HER2ELz** CPT:83950  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 15113X  
 Turn-around-time:

**Special Instructions:** HER2ELz: 1mL S REF  

<u>Age (Y)</u>	<u>Container</u>
0-100	Red (No Gel)

15113X  
 HER2, ELISA  
 1mL Serum  
 Red Top No gel  
 Stability Room Temp:24 hours; Refrig: 7 Days; Frozen: 6 Months  
 No alternate specimen type available  
 Reject criteria: Grossly hemolyzed or lipemic specimen; Serum Separator Tube

---

**Hereditary Hemochromatosis DNA**

Test Code: **HHDz** CPT:81256  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 35079

Turn-around-time:

**Special Instructions:** 5 mL WB REF

Age (Y)  
0-100

Container  
Lavender

Volume (mLs)  
1.5

35079

*Hereditary Hemochromatosis DNA Mutation Analysis*

*Whole blood*

*EDTA (lavender-top); EDTA (royal blue-top); Sodium heparin (green-top); ACD solution B (yellow-top)*

*5 mL*

*Room Temp: 8 Days , Refrig: 8 Days , Frozen: Unacceptable*

*Ship room temperature*

### Herpes Simplex 1, Ag D

Test Code: *HSVAGz*

CPT:87299

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 34290

Turn-around-time:

**Special Instructions:** 3 mL SWAB REF \*

Age (Y)  
0-100

Container  
Viral Transport Media (MIC)

Volume (mLs)  
1

34290

*Herpes Simplex Virus Antigen Detection, DFA*

*Mucosal membrane swab or Vesicular lesions swab*

*V-C-M medium (green-cap) tube or equivalent (UTM); Glass Slide*

*3 mL*

*Room Temp: Unacceptable , Refrig: 4 Days , Frozen: Unacceptable*

*Ship refrigerated*

*To maintain optimum viability, place swab or fluid into VCM (equal volumes of fluid and VCM) or equivalent and transport the specimen to the laboratory as soon as possible Best recovery is obtained when the specimens are refrigerated at 2-8 degrees C or kept on wet ice following collection and while in transit If there will be a long delay before processing, specimens in VCM or equivalent should be frozen at -70 degrees C or colder and transported on dry ice Storage or transport at -20 degrees C is not acceptable Raw (unpreserved) samples should only be refrigerated and not frozen*

*Set up: Mon-Sat; Report available: 1-2 days*

### Herpes Simplex 1, IgG

Test Code: *HSV1Gz*

CPT:86695

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 3636

Turn-around-time:

**Special Instructions:** 1 mL S REF

Age (Y)  
0-100

Container  
Serum Separator Tube

Volume (mLs)  
1

3636

*Herpes Simplex Virus 1 (IgG), Type-Specific Antibody*

*(HerpeSelect(R))*

*Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature (Okay to thaw)*

**Herpes Simplex 1/2, IgG**

Test Code: *HSV12z*

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 6447

Turn-around-time:

**Special Instructions:** 1 mL S REF

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

3.5

*6447*

*Herpes Simplex Virus 1/2 (IgG), Type-Specific Antibodies*

*(HerpeSelect(R))*

*Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature (Okay to thaw)*

**Herpes Simplex 1/2, IgM**

Test Code: *HSVIGMz*

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 90849

Turn-around-time:

**Special Instructions:** 1 mL S REF

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

0.5

*90849*

*Herpes Simplex Virus 1/2 Antibody (IgM), IFA with Reflex to*

*Titer, Serum*

*Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature (Okay to thaw)*

**Herpes Simplex 1/2,DNA Qual**

Test Code: *HSVDNAz*

CPT:

Dept: Reference Microbiology

Prefix: ZM

Quest Diagnostics Nichols Inst 34257

Turn-around-time:

**Special Instructions:** 1 mL; CSF or SWB REF \*

Age (Y)

0-100

Container

Special Container

Volume (mLs)

3

*34257*

*Herpes Simplex Virus, Type 1 & 2 DNA, Real-Time PCR (43200)*

*CSF; Swab*

*Sterile screw cap container; Sterile leak-proof container; Multi*

*Microbe Media (M4); V-C-M medium (green-cap) tube or equivalent*

*(UTM); SST (red-top/plastic); SST (red-top/glass); Sterile screw*

cap container; Sterile leak-proof container; EDTA (lavender-top); ACD solution B (yellow-top); PPT Potassium EDTA (white top); ACD solution A (yellow-top); EDTA (lavender-top); ACD solution B (yellow-top); ACD solution A (yellow-top); Sterile screw cap container; APTIMA(R) swab specimen collection kit  
1 mL;

Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days ; Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days

Ship refrigerated; Ship refrigerated

CSF: Collect in a sterile screw cap container and store refrigerated or frozen Swab (Dry or in transport media) Serum: Collect blood in sterile tubes with no anticoagulants; serum separator tubes (SSTs) are recommended Allow blood to clot at room temperature and separate serum from cells within 2 hours of collection Transfer serum into sterile, plastic screw-capped aliquot tubes and store refrigerated or frozen

### Herpes Simplex 6, IgG

Test Code: **HV6Gz** CPT:86790  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34302  
Turn-around-time:

**Special Instructions: 0.5 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

34302

Herpesvirus 6 Antibody (IgG) (40530)

Serum

Red-top (no gel); SST (red-top)

0.5 mL

Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days

Ship refrigerated

### Herpes Simplex 6, IgG,M

Test Code: **HV6GMz** CPT:  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34282X  
Turn-around-time:

**Special Instructions: 0.5 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

34282X

Herpesvirus 6 Antibodies (IgG, IgM) (40540)

Serum

Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)

0.5 mL

Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days

Ship room temperature (Okay to thaw)

### Herpes Simplex 6, RT PCR Qual

Test Code: **HV6RTPCRz** CPT:8753290  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16001X  
Turn-around-time:

**Special Instructions: 1 mL WB REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

16001X

Herpes Virus 6 DNA, Qualitative Real-Time PCR (43160)

Whole blood

SST (red-top/plastic); Red-top (no gel); PPT Potassium EDTA (white top); EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B (yellow-top); Sterile screw cap container; EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B (yellow-top); Sterile leak-proof container; EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B (yellow-top)

1 mL

Room Temp: 48 Hours , Refrig: 7 Days , Frozen: Unacceptable

Ship refrigerated

Whole blood: Collect whole blood in sterile tubes containing EDTA or ACD as anticoagulant Serum: Collect blood in sterile tubes with no anticoagulants; plastic serum separator tubes (SSTs) are recommended Allow blood to clot at room temperature and separate serum from cells within 2 hours of collection Transfer serum to sterile, plastic screw-capped, aliquot tubes Plasma: Collect blood in sterile tubes containing EDTA or ACD as anticoagulant, or in Plasma Preparation Tube (PPT) tubes (preferred) Collected whole blood at room temperature and separate plasma from cells within 2 hours of collection Transfer plasma to sterile, plastic, screw-capped, aliquot tubes Do not clarify plasma by filtration or further centrifugation Avoid repeated freezing and thawing of specimen NOTE: If blood is collected in a PPT tube, centrifuge within 2 hours of collection; the plasma is not required to be transferred to an aliquot tube CSF: Collect in sterile leak proof container

### Herpes Simplex Virus 2, IgG

Test Code: **HSGAZ** CPT:86696  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3640  
Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

3640

Herpes Simplex Virus 2 (IgG), Type-Specific Antibody (HerpeSelect(R))

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 7 Days , Refrig: 14 Days , F

### Hexagonal Phase Neutraliza

Test Code: **HEXPNZ** CPT:85598  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36573  
Turn-around-time:

**Special Instructions:** 1.5 mL PL ASAP FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
----------------	------------------	---------------------

0-100

Blue (Sodium Citrate) Frozen

2.70000004768  
37198

36573  
 Hexagonal Phase Neutralization  
 Plasma  
 32% Sodium Citrate (lt blue-top)  
 15 mL  
 Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: 90 Days  
 Ship frozen (Do not thaw)  
 Platelet Poor Plasma: Centrifuge light blue-top tube 15 minutes  
 at approx 1500 g within 60 minutes of collection Using a  
 plastic pipette, remove plasma, taking care to avoid the  
 WBC/platelet buffy layer and place into a plastic vial  
 Centrifuge a second time and transfer platelet-poor plasma into a  
 new plastic vial Plasma must be free of platelets (<10,000/mcl)  
 Freeze immediately and ship on dry ice

---

### Histamine, PI

Test Code: **HISTz** CPT:83088  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36586  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Frozen	1.5

36586  
 Histamine, Plasma  
 Plasma  
 EDTA (lavender-top)  
 1 mL  
 Room Temp: 24 Hours , Refrig: 24 Hours , Frozen: 7 Days  
 Ship frozen (Do not thaw)  
 Centrifuge immediately and freeze in plastic vial Avoid taking  
 allergy causing drugs, antihistamines, oral corticosteroids and  
 substances which block H2 receptors 24 hours prior to collection

---

### Histamine, Ur 24hr

Test Code: **HIST24z** CPT:83088  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4946X  
 Turn-around-time:

**Special Instructions: 4 mL 24UR REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	2

4946X  
 Histamine, 24-Hour Urine  
 24-hour urine  
 24-hour urine container - 10 mL 6N HCL; No preservative  
 4 mL  
 Room Temp: 48 Hours , Refrig: 14 Days , Frozen: 14 Days  
 Ship refrigerated (Okay to thaw)  
 Avoid direct sunlight Avoid taking allergy causing drugs,  
 antihistamines, oral corticosteroids and substances which block  
 H2 receptors 24 hours prior to collection Patient should refrain



from taking allergy causing drugs, antihistamines, oral corticosteroids, and substances which block H2 receptors for at least 24 hours prior to specimen collection

---

**Histone Antibodies**

Test Code: *HISABz* CPT:83516  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37056X  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

37056X  
 Histone Antibodies  
 Serum  
 Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)  
 1 mL  
 Room Temp: 8 Hours , Refrig: 7 Days , Frozen: 30 Days  
 Ship refrigerated (Okay to thaw)  
 Avoid hemolysis Overnight fasting is preferred

---

**Histoplasma Ab, by CF**

Test Code: *HISTABz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 938  
 Turn-around-time:

**Special Instructions:** 1 mL S REF  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

938  
 Histoplasma Antibody, Complement Fixation, Serum (40570)  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature

---

**Histoplasma Galact Ag, Ur**

Test Code: *HISAUz* CPT:87385  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 91212  
 Turn-around-time:

**Special Instructions:** 10 mL R UR REF  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	1

91212  
 Histoplasma Galactomannan Antigen, Urine  
 Random urine  
 Sterile leak-proof container  
 10 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature

**HIV 1&2 Ag & Ab**

Test Code: *HIVC* CPT:  
 Dept: Immunology Prefix: IM  
 Turn-around-time:  
 Special Instructions: **HIVC: 2 mL S R(REF)**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3

*CPT: 87389*  
*Submit unopened SST*

**HIV 1&2 Ag & Ab, Rapid**

Test Code: *HIVRAPID* CPT:82310  
 Dept: Immunology Prefix: I  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	SST	1

**HIV-1 Genotype**

Test Code: *HIVGz* CPT:8790190  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34949  
 Turn-around-time:  
 Special Instructions: **2 mL PL FRZ \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Frozen	1.5

*34949*  
*HIV-1 Genotype*  
*Plasma*  
*EDTA (lavender-top); PPT Potassium EDTA (white top); ACD solution B (yellow-top); Red-top (no gel); SST (red-top)*  
*2 mL*  
*Room Temp: 24 Hours , Refrig: 5 Days , Frozen: 35 Days*  
*Ship frozen*  
*Plasma: Collect blood in EDTA (lavender-top) or a (white-top) PPT Vacutainer(TM) plasma preparation tube Separate plasma from the cells by centrifugation within 24 hours after collection*  
*Transfer the plasma to a plastic screw-cap vial and ship frozen*  
*Serum: Acceptable for Genotyping but may observe a reduced viral quantitation value Collect blood in sterile tubes with no anticoagulants; serum separator tubes (SSTs) are recommended*  
*Allow blood to clot at room temperature and separate serum from cells within 2 hours of collection Transfer serum to sterile, plastic screw-capped, aliquot tubes and store at -18 C or colder*  
*Avoid repeated freezing and thawing of specimen Ship frozen*  
*Preferred:*  
*3 mL (1 mL minimum) plasma collected in an EDTA (lavender-top) or PPT (white-top) tube*  
*(Note: This volume does not allow for repeat testing)*  
*Acceptable:*  
*Remove all other acceptable specimen types*  
*Reject Criteria: Plasma received frozen in the plasma preparation*

*tube (PPT), serum, whole blood greater than 24 hours old,  
frozen whole blood*

**Instructions:**

*Freshly drawn specimens (whole blood) may be stored at 2 C to 25 C for up to 24 hours prior to centrifugation Separate plasma from cells within 24 hours of collection by centrifugation Follow manufacturer s instructions for collection tube handling*

---

**HIV-1 RNA, Quant PCR**

Test Code: **HIVQz** CPT:87536  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 40085  
Turn-around-time:

**Special Instructions:** 1 mL PL FRZ \*

Age (Y)	Container	Volume (mLs)
0-100	Lavender Frozen	6

40085

*HIV-1 RNA, Quantitative, Real-Time PCR*

*Plasma*

*EDTA (lavender-top); PPT Potassium EDTA (white top)*

*3 mL (1 mL minimum)*

*Room Temp: 24 Hours , Refrig: 6 Days , Frozen: 42 Days*

*Ship frozen (Okay to thaw)*

*Rejection Criteria: Plasma received frozen in the plasma preparation tube (PPT); serum; whole blood greater than 24 hours old; frozen whole blood*

*Collect plasma in EDTA (lavender-top) or a (white-top) PPT Vacutainer(TM) plasma preparation tube Freshly drawn specimens (whole blood) may be stored at 2 C to 25 C for up to 24 hours prior to centrifugation Separate plasma from cells within 24 hours of collection by centrifugation Transfer the plasma to a plastic screw-cap vial and ship frozen*

---

**HLA Class I A,B,C DNA Typing**

Test Code: **HLACz** CPT:81372  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 15484  
Turn-around-time:

**Special Instructions:** EDTA WB 14 mL R(REF) \*

Age (Y)	Container	Volume (mLs)
0-100	Lavender	9

15484

*HLA Low Resolution Typing (15484)*

*Whole blood*

*EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B (yellow-top)*

*14 mL*

*Room Temp: 7 Days , Refrig: 7 Days , Frozen: Unacceptable A separate ACD (yellow-top) or EDTA (lavender-top) tube must be submitted for all HLA testing If submitted with any other test requiring an ACD or EDTA tube, please submit a separate tube for this test Do not open tube*

---

**HLA Typing for Platelets**

Test Code: **HLA** CPT:86813  
 Dept: Blood Bank Ref/Misc Testing Prefix: BZ  
 Turn-around-time: Result Pending  
 Age (Y)  
 0-100

**HLA-B27**

Test Code: **HLAB27z** CPT:86812  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 528  
 Turn-around-time:

**Special Instructions:** 5 mL WB REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Na Hep Whole Blood	4

*528  
 HLA-B27 Antigen  
 Whole blood  
 Sodium heparin (green-top); ACD solution A (yellow-top); EDTA (lavender-top)  
 5 mL  
 Room Temp: 7 Days , Refrig: 5 Days , Frozen: Unacceptable  
 Ship room temperature  
 Reject Criteria: Hemolysis; lithium heparin (green-top) tube;  
 clotted; received frozen*

**HLA-B27 DNA Typing**

Test Code: **HLAB27Dz** CPT:81374  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 15584  
 Turn-around-time:

**Special Instructions:** Yellow ACD WB 5 mL (3 mL min) R(REF) \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Yellow ACD	20

*15584  
 HLA-B27, DNA Typing (15584)  
 Whole blood  
 ACD solution B (yellow-top); ACD solution A (yellow-top); EDTA (lavender-top); Sodium heparin (green top)  
 5 mL (3 mL min)  
 Rejection criteria: Lithium heparin (green top) or buccal swabs  
 Room Temp: 7 Days , Refrig: 7 Days , Frozen: Unacceptable  
 Ship room temperature  
 A separate ACD (yellow-top), EDTA (lavender-top) or sodium heparin (green top) tube must be submitted for all HLA testing If submitted with any other test requiring an ACD or EDTA tube, please submit a separate tube for this test Do not open tube*

**HPV**

Test Code: **HPVHR**  
 Dept: LAB Module Microbiology Tests Prefix: LM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Thin Prep Preservcyt	4

**HPV Genotyping 16 18/45**

Test Code: *HPVGT*

Dept: LAB Module Microbiology Tests

Prefix: LM

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Thin Prep Preservcyt	4

**HTLV-I/II Ab, Conf**

Test Code: *HTLCz*

CPT:86689

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 8511

Turn-around-time:

Set up: Tues and Thurs. Reports in 2-5 days.

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

8511  
*HTLV-I/II, Confirmatory Assay*  
*Serum*

*Red-top (no gel); SST (red-top/plastic); Sodium heparin (green-top); EDTA (lavender-top); EDTA (royal blue-top); 32% Sodium Citrate (lt blue-top)*

*1 mL*  
*Room Temp: 8 Hours , Refrig: 7 Days , Frozen: 30 Days*  
*Ship refrigerated*

*This test is for confirmation only For HTLV-I/II screening, please use Test Code 36175*

**HTLV-I/II Ab, w/Rflx Conf**

Test Code: *HTLVz*

CPT:86790

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 36175

Turn-around-time:

Set up: Tues - Sat. Reports in 1 day.

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*(yellow-top)*  
*1 mL*

*Room Temp: 8 Hours , Refrig: 7 Days , Frozen: 30 Days*  
*Ship refrigerated*

**HTLV-I/II Ab, w/Rflx Conf**

Test Code: *HTLVz*

CPT:86790

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 36175

Turn-around-time:

Set up: Tues - Sat. Reports in 1 day.

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

36175

*HTLV-I/II Antibody w/Reflex to Confirmation Assay*

*Serum*

*Red-top (no gel); SST (red-top/plastic); SST (red-top/glass);  
 EDTA (lavender-top); EDTA (royal blue-top); Potassium oxalate  
 (gray-top); 32% Sodium Citrate (lt blue-top); ACD solution B*

**Hu Ab Scr Rfx Titer & WB**

Test Code: **HUABRz**

CPT:86255

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 37053

Turn-around-time:

**Special Instructions: 0.5 mL S REF \***

Age (Y)

Container

Volume (mLs)

0-100

Red (No Gel)

1

37053

*Hu Antibody Screen with Reflex to Titer and Western Blot*

*Serum*

*Red-top (no gel); SST (red-top/glass)*

*0.5 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 21 Days*

*Ship room temperature (Okay to thaw)*

*Overnight fasting is preferred*

**Huntington Disease Mutation**

Test Code: **HDMAz**

CPT:81401

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 10247X

Turn-around-time:

**Special Instructions: 5 mL WB ASAP AMB \***

Age (Y)

Container

Volume (mLs)

0-100

Lavender Ambient

3

10247X

*Huntington Disease Mutation Analysis*

*Whole blood*

*EDTA (lavender-top); ACD solution B (yellow-top); EDTA (royal  
 blue-top); Sodium heparin (green-top); EDTA (lavender-top); ACD  
 solution B (yellow-top); EDTA (royal blue-top); Sodium heparin  
 (green-top); Sterile screw cap container*

*5 mL*

*Room Temp: 8 Days , Refrig: 8 Days , Frozen: Unacceptable*

*Ship room temperature*

*Whole blood: Normal phlebotomy procedure Specimen stability is  
 crucial Store and ship ambient immediately Do not freeze*

*Waiver signed by the referring health care professional must  
 accompany ALL specimens or be received in the Molecular Genetics  
 lab (fax: 949-728-4874) within 4 days of the blood draw Call  
 866-GENEINFO (866-436-3463) for a copy of the waiver For  
 patients under the age of 18, please call 866-GENEINFO  
 (866-436-3463) before specimen collection*

**Hypersensitivity Pneum Eval**

Test Code: **HPEz**

CPT:

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16490

Turn-around-time:

Special Instructions: 3 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

16490

Hypersensitivity Pneumonitis Evaluation (8156)

Serum

Red-top (no gel); SST (red-top/plastic)

3 mL

Room Temp: 24 Hours , Refrig: 7 Days , Frozen: 31 Days

Ship refrigerated

---

**IA2 Antibody**

Test Code: IA2Az CPT:86341

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36177X

Turn-around-time:

Special Instructions: 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

36177X

IA-2 Antibody

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 3 Years

Ship refrigerated

---

**IGF Binding Protein-1 (IGFBP1)**

Test Code: IGFBPz CPT:83519

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36590

Turn-around-time:

Special Instructions: 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

36590

IGF Binding Protein-1 (IGFBP-1)

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 24 Hours , Refrig: 7 Days , Frozen: 28 Days

Ship refrigerated (Okay to thaw)

Overnight fasting is required

---

**IGF Binding Protein-3 (IGFBP3)**

Test Code: IGFBz CPT:83519

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34458

Turn-around-time:

Special Instructions: 1 mL S AMB

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>

34458  
 IGF Binding Protein-3 (IGFBP-3)  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 1 Year  
 Ship room temperature (Okay to thaw)

---

**IGF-I, (Somatomedin-C)**

Test Code: *IGF1z* CPT:84305  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16293  
 Turn-around-time:

**Special Instructions:** 0.5 mL S REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

16293  
 IGF-I, LC/MS  
 Serum  
 Red-top (no gel); SST (red-top)  
 05 mL  
 Room Temp: 48 Hours , Refrig: 5 Days , Frozen: 28 Days  
 Ship refrigerated (Okay to thaw)  
 Collect blood in a red-top or SST vacutainer For red-top vacutainers, allow blood to clot (10-15 minutes) at room temperature Separate serum from cells and refrigerate If sample collected in glass collection tube, transfer to plastic container  
 Set up: Sun-Fri; Report available: Wed-Sat, Mon, Mon

---

**IgG Subclass 4**

Test Code: *IGGS4z* CPT:82787  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 24695P  
 Turn-around-time:

**Special Instructions:** 0.5 mL S REF \*  

<u>Age (Y)</u>	<u>Container</u>
0-100	Serum Separator Tube

24695P  
 IgG Subclass 4  
 Serum  
 Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)  
 1 mL (05 minimum)  
 Room Temp: 72 Hours , Refrig: 21 Days , Frozen: 6 Months  
 Ship refrigerated (Okay to thaw)  
 Overnight fasting is preferred

---

**IGG Synth Rate, Ser/CSF**

Test Code: *IGSRz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7558X  
 Turn-around-time:



**Special Instructions:** 2 mL & 1 mL CSF and S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	CSF Tube (MIC)	1

7558X

*IgG Synthesis Rate/Index, CSF  
CSF and Serum*

*Sterile screw cap container; Red-top (no gel); SST (red-top)  
2 mL and 1 mL*

*Room Temp: 8 Hours , Refrig: 7 Days , Frozen: 90 Days*

*Ship refrigerated*

*The collection date and time must be the same for both specimens*

*Both serum and CSF must be sent for calculation of synthesis rate*

*by nephelometry CSF must be crystalline clear*

**Imipramine**

Test Code: **IMIPz** CPT:80174  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 887  
 Turn-around-time:

**Special Instructions:** 3 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	4

887

*Imipramine*

*Serum*

*Red-top (no gel); EDTA (lavender-top); Sodium heparin  
(green-top); Lithium heparin (green-top)*

*3 mL*

*Room Temp: 5 Days , Refrig: 5 Days , Frozen: 30 Days*

*Ship room temperature*

*Do not use gel barrier/Serum Separator tubes Collect at  
steady-state trough concentrations Specimen should be collected*

*>12 hrs after dose*

**Immune Complex, C1q Binding**

Test Code: **C1QBz** CPT:86332  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36735  
 Turn-around-time:

**Special Instructions:** 1 mL S FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel) Frozen	1

36735

*Immune Complex Detection by C1q Binding*

*Serum*

*Red-top (no gel)*

*1 mL*

*Room Temp: Unacceptable , Refrig: 48 Hours , Frozen: 1 Year*

*Ship frozen (Do not thaw)*

*Freeze serum within one hour of time drawn With multiple tests,*

*submit a separate tube for each test Do not use gel barrier*

*tubes Do not submit the sample in a glass tube Do not thaw*

**Immunofixation, Ur**

Test Code: *IFEUz* CPT:86335  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 213  
 Turn-around-time:

**Special Instructions:** 50 mL R UR or 24HR UR REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	1

213  
*Immunofixation, Urine*  
*Random urine, no preservative or 24-hour urine, no preservative*  
*Plastic screw-cap container; Urinalysis transport tube*  
*(yellow-top, blue fill line, preservative tube); Sterile screw*  
*cap container*  
 50 mL  
*Room Temp: 5 Days , Refrig: 7 Days , Frozen: 30 Days*  
*Ship room temperature*

**Immunoglobulin E**

Test Code: *IGEz* CPT:82785  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 542  
 Turn-around-time:

**Special Instructions:** 0.3 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

542  
*Immunoglobulin E*  
*Serum*  
*Red-top (no gel); SST (red-top/plastic); EDTA (lavender-top);*  
*Sodium heparin (green-top); Lithium heparin (green-top); PPT*  
*Potassium EDTA (white top)*  
 03 mL  
*Room Temp: 14 Days , Refrig: 14 Days , Frozen: 30 Days*  
*Ship room temperature (Okay to thaw)*

**Immunoglobulin A**

Test Code: *IGA* CPT:82784  
 Dept: Immunology Prefix: IM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Green Li Heparin PST

**Immunoglobulin A, Subclasses**

Test Code: *IGASUBz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34188  
 Turn-around-time:

**Special Instructions:** 2 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

34188  
 IgA Subclasses  
 Serum  
 Red-top (no gel); SST (red-top)  
 2 mL  
 Room Temp: 6 Hours , Refrig: 14 Days , Frozen: 90 Days  
 Ship refrigerated (Okay to thaw)

---

**Immunoglobulin G**

Test Code: *IGG* CPT:82784  
 Dept: Immunology Prefix: IM  
 Turn-around-time:  

<u>Age (Y)</u>	<u>Container</u>
0-100	Green Li Heparin PST

---

**Immunoglobulin G, CSF**

Test Code: *IGGCSFz* CPT:82784  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 4448X  
 Turn-around-time:  
 Special Instructions: 2 mL CSF REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Cup (MIC)	1

---

4448X  
 IgG, CSF  
 CSF  
 Sterile screw cap container  
 2 mL  
 Room Temp: 72 Hours , Refrig: 14 Days , Frozen: 90 Days  
 Ship room temperature (Okay to thaw)  
 CSF must be crystalline clear

---

**Immunoglobulin G, Subclasses**

Test Code: *IGGSz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7903  
 Turn-around-time:  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

---

7903  
 IgG Subclasses Panel  
 Serum  
 Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)  
 2 mL  
 Room Temp: 72 Hours , Refrig: 7 Days , Frozen: 90 Days  
 Ship refrigerated (Okay to thaw)  
 Overnight fasting is preferred

---

**Immunoglobulin G,A,M, Ser**

Test Code: *IMGP* CPT:

Dept: Immunology Prefix: IM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	3.5

*CPT: 82784 ; 82784 ; 82784*

---

**Immunoglobulin M**

Test Code: *IGM* CPT:82784  
 Dept: Immunology Prefix: IM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Green Li Heparin PST

**Indirect Coombs**

Test Code: *IC* CPT:86850  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Result Pending

<u>Age (Y)</u>
0-100

**Influenza Virus A&B, Rapid**

Test Code: *FLUAB* CPT:  
 Dept: LAB Module Microbiology Tests Prefix: LM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Nasopharyngeal Swab (MIC)	1

**Inhibin A**

Test Code: *INHZA* CPT:86336  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34472  
 Turn-around-time:

**Special Instructions:** 2 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*34472  
 Inhibin A  
 Serum  
 Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)  
 2 mL  
 Rejection Criteria: Gross hemolysis; grossly lipemic  
 Room Temp: 7 Days , Refrig: 7 Days , Frozen: 28 Days  
 Ship room temperature (Okay to thaw)*

---

**Inhibin B**

Test Code: **INHBz** CPT:82397  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34445  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*34445  
 Inhibin B  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 72 Hours , Refrig: 7 Days , Frozen: 28 Days  
 Ship frozen (Okay to thaw)  
 Rejection criteria: Hemolysis, icteric, lipemic  
 Serum should be collected with the usual precautions of  
 venipuncture*

---

**Insulin Autoantibody**

Test Code: **INSABz** CPT:86337  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36178  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*36178  
 Insulin Autoantibody  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 28 Days , Refrig: 28 Days , Frozen: 28 Days  
 Ship room temperature (Okay to thaw)  
 Collect blood in red-top vacutainer Centrifuge and separate the  
 serum from the cells*

---

**Insulin Fasting**

Test Code: **INSUz** CPT:83525  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 561  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*561  
 Insulin  
 Serum  
 Red-top (no gel); SST (red-top);  
 1 mL  
 Room Temp: 8 Hours , Refrig: 7 Days , Frozen: 28 Days  
 Ship refrigerated (Okay to thaw)  
 Reject Hemolysed and grossly icteric samples  
 Collect blood by venipuncture into plain tubes (without*

*anticoagulant); separate the serum from the cells Overnight  
fasting is required*

---

**Interleukin-6 Highly Sensitive**

Test Code: *IL6HS1z* CPT:83520  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34473X  
Turn-around-time:

Special Instructions: 1 mL PL FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Frozen	1.5

*34473X  
Interleukin-6, Highly Sensitive ELISA  
Plasma  
EDTA (lavender-top); Red-top (no gel)  
1 mL  
Room Temp: 24 Hours , Refrig: 48 Hours , Frozen: 7 Months  
Ship frozen (Do not thaw)  
Do not thaw Cytokine levels may demonstrate diurnal variation  
Recommend cytokine levels be determined at the same time of day  
for improved longitudinal comparison*

---

**Intrinsic Factor Blocking Ab**

Test Code: *INTRz* CPT:86340  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 568  
Turn-around-time:

Special Instructions: 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*568  
Intrinsic Factor Blocking Antibody  
Serum  
Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)  
1 mL  
Room Temp: 7 Days , Refrig: 7 Days , Frozen: 28 Days  
Ship room temperature (Okay to thaw)  
Samples should not be collected from a patient who has received  
vitamin B12 injection therapy within the past week*

---

**Iodine, Ser/PI**

Test Code: *IODz* CPT:83789  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16599  
Turn-around-time:

Special Instructions: 1 mL; 1 mL S or PL REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal EDTA	1.5

*16599  
Iodine, Serum/Plasma (16599)  
Serum; Plasma  
Royal blue-top (no additive) in trace element collection package;  
Royal blue-top (EDTA) in trace element collection system*

*1 mL; 1 mL**Room Temp: 10 Days , Refrig: 10 Days , Frozen: Unacceptable ;**Room Temp: 10 Days , Refrig: 10 Days , Frozen: Unacceptable**Ship room temperature; Ship room temperature***Iodine, Ur**Test Code: *IODURz*

CPT:83789

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 16601

Turn-around-time:

**Special Instructions: 10 mL R UR REF**Age (Y)

0-100

Container

Urine Sterile Cup

Volume (mLs)

0.5

*16601**Iodine, Random Urine (16601)**Random urine**Sterile leak-proof container; No preservative**10 mL**Room Temp: 10 Days , Refrig: 10 Days , Frozen: Unacceptable**Ship room temperature***IRIS iQ Negative Control**Test Code: *.IRISiQNC*

CPT:

Dept: Urinalysis

Prefix: U

Turn-around-time:

Age (Y)

0-100

**IRIS iQ Positive Control**Test Code: *.IRISiQPC*

CPT:

Dept: Urinalysis

Prefix: U

Turn-around-time:

Age (Y)

0-100

**Iron**Test Code: *FE*

CPT:83540

Dept: Chemistry

Prefix: C

Turn-around-time:

**Special Instructions: NKML, NRML: AVOID HEMOLYSIS**Age (Y)

0-100

Container

Green Li Heparin PST

Volume (mLs)

0.5

*CPT: 83540***Iron and Iron Binding Cap**Test Code: *FEIBC*

CPT:

Dept: Chemistry

Prefix: C

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	2

*CPT: 83540 ; 83550*

---

**Iron, Liver Tissue**

Test Code: *FELTz* CPT:83540  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 8828Z  
 Turn-around-time:  
**Special Instructions:** 5 mg LIVER BIOP REF \*  

<u>Age (Y)</u>	<u>Container</u>
0-100	Royal Blue TM Serum

---

**Islet Cell Antibody Scrn w/Tit**

Test Code: *ISLSz* CPT:86341  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36741  
 Turn-around-time:  
**Special Instructions:** 2 mL S REF  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*36741*  
*Islet Cell Antibody Screen with Reflex to Titer*  
*Serum*  
*Red-top (no gel); SST (red-top/glass); SST (red-top/plastic)*  
*2 mL*  
*Room Temp: 48 Hours , Refrig: 14 Days , Frozen: 6 Months*  
*Ship refrigerated (Okay to thaw)*

---

**Itraconazole Level**

Test Code: *.ITRA1z* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst  
 Turn-around-time:  

<u>Age (Y)</u>
0-100

---

**JC Virus DNA Qn PCR**

Test Code: *JCPVz* CPT:87799  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 19503X  
 Turn-around-time:  
**Special Instructions:** JCPVz: 0.7 mL Lavender R(REF)  

<u>Age (Y)</u>	<u>Container</u>
0-100	Lavender

*19503X*  
*JC Polyoma Virus DNA, Quantitative Real-Time PCR, Plasma*  
*Plasma*



07 mL; Minimum 03 mL

EDTA (lavender-top)(preferred); ACD solution A (yellow-top);

**Jo 1 Antibody**

Test Code: **JO1ABz** CPT:86235  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 5810X  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

5810X  
 Jo-1 Antibody  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
 Ship room temperature (Okay to thaw)  
 Overnight fasting is preferred

**Kappa Lambda Lite Chains,Ur**

Test Code: **KLUZ** CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 34318  
 Turn-around-time:

**Special Instructions:** 2 mL R UR REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	0.5

34318  
 Kappa/Lambda Light Chains, Total, Random Urine (343188)  
 Random urine  
 Plastic leak-proof container; No preservative  
 2 mL  
 Room Temp: 12 Hours , Refrig: 7 Days , Frozen: Not Established  
 Ship refrigerated

**Kappa Lambda Lite Chains,Ur24h**

Test Code: **KLCUZ** CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 17300Z  
 Turn-around-time:

**Special Instructions:** 2 mL 24UR REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	1

17300Z  
 Kappa/Lambda Light Chains, Total, w/Calculation, 24 hr Urine (173008)  
 24-hour urine  
 Plastic leak-proof container; No preservative  
 2 mL  
 Room Temp: 12 Hours , Refrig: 7 Days , Frozen: Not Established  
 Ship refrigerated  
 Please provide the 24-hour total volume on the request form and

*on the sample container (required for calculation) Transport on refrigerant coolant*

---

**Kappa/Lambda Lite Chains, Ser**

Test Code: *KALAFRz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 11234  
 Turn-around-time:

**Special Instructions:** 2 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

*11234*  
*Kappa/Lambda Light Chains, Free with Ratio, Serum*  
*Serum*  
*Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)*  
*2 mL*  
*Room Temp: 7 Days , Refrig: 21 Days , Frozen: 90 Days*  
*Ship room temperature (Okay to thaw)*

---

**Kit Collection**

Test Code: *KIT* CPT:  
 Dept: Laboratory - no prefix Prefix:  
 Turn-around-time:  
Age (Y)  
 0-100

---

**Kleihauer Betke**

Test Code: *KB* CPT:85460  
 Dept: Blood Bank Ref/Misc Testing Prefix: BZ  
 Turn-around-time: Results Pending  
Age (Y)  
 0-100

---

**L. pneumophila Sero 1-6, IgG,M**

Test Code: *LPNS16z* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37345X  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1.5

*37345X*  
*Legionella Pneumo IgG,IgM, 1-6 Serogroup (2156)*  
*Serum*  
*Red-top (no gel)*  
*1 mL*  
*Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 60 Days*  
*Ship room temperature*

**Lactate Dehydrogenase Total**

Test Code: *LD* CPT:83615  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Lactate Dehydrogenase, Isoenz**

Test Code: *LDHIz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4411X  
 Turn-around-time:

Special Instructions: 2 mL S AMB \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Ambient	3.5

4411X

*Lactate Dehydrogenase (LD) Isoenzyme Panel*

*Serum*

*Red-top (no gel); SST (red-top/glass); SST (red-top/plastic);  
 EDTA (lavender-top); EDTA (royal blue-top); Sodium  
 heparin(green-top); Lithium heparin (green-top); PPT Potassium  
 EDT (white top)*

*2 mL*

*Room Temp: 7 Days, Refrig: Unacceptable, Frozen: Unacceptable*

*Ship room temperature*

*Do not freeze Hemolyzed specimens are not acceptable*

**Lactate Dehydrogenase, Pericar**

Test Code: *LDHPCF* CPT:83615  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

**Lactate Dehydrogenase, Periton**

Test Code: *LDHPTF* CPT:83615  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

**Lactic Acid**

Test Code: *LACTIC* CPT:83605  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Gray NaFluoride Whole Blood	2

CPT: 83605  
 QUEST#585  
 NorCAL:  
 SJE  
 Spin ASAP, Deliver sample on ICE

---

**Lactic Acid W/ Reflex in 3H**

Test Code: **LACTICR** CPT:83605  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Gray NaFluoride Whole Blood

CPT: 83605  
 QUEST#585  
 NorCAL:  
 Spin ASAP, Deliver sample on ICE

---

**Lactoferrin, Stool**

Test Code: **LACTSTLz** CPT:83630  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 10156  
 Turn-around-time:

**Special Instructions:** 1 g STL FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Stool Frozen	0.5

10156  
 Lactoferrin, Qualitative, Stool  
 Stool  
 Plastic screw-cap container  
 1 g  
 Room Temp: See Instructions , Refrig: 14 Days , Frozen: 21 Days  
 Ship frozen (Do not thaw)  
 Rejection Criteria: specimen received in transport media  
 Collect undiluted feces in clean, dry, sterile leak proof container Do not add fixative or preservative From collection time to the time stool is frozen must not exceed 48 hours  
 Patients may collect stool and hold at room temperature until it can be properly frozen The time held at room temperature must not exceed 48 hours from time of collection Specimens can be delivered to PSC or physicians office for freezing and delivery to the laboratory

---

**Lamellar Body Count**

Test Code: **LAMELLAR** CPT:83663  
 Dept: Hematology Fluids Prefix: HF  
 Turn-around-time:

<u>Age (Y)</u>	Amniotic Fluid
0-100	Lavender or Red

Amniotic Fluid  
 CPT: 83663

**Lamotrigine (Lamictal)**

Test Code: *LAMoz* CPT:80299  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 22060  
 Turn-around-time:  
**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	2

22060  
 Lamotrigine  
 Serum  
 Red-top (no gel); EDTA (lavender-top); Sodium heparin (green-top)  
 1 mL  
 Room Temp: 48 Hours , Refrig: 5 Days , Frozen: 14 Days  
 Ship refrigerated (Okay to thaw)  
 Draw 1/2 hour to 1 hour before next dose at steady state Do not  
 use gel barrier/Serum Separator tubes

**LDL Cholesterol Direct**

Test Code: *LDLCD* CPT:  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Green Li Heparin PST

**Lead, Bld**

Test Code: *PBz* CPT:83655  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 599  
 Turn-around-time:  
**Special Instructions:** K2 EDTA Royal Blue or Tan Top WB 3 mL R(REF) \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal EDTA	1

599  
 Lead, Blood  
 Whole blood  
 EDTA K2 (tan-top) plastic; Sodium heparin lead-free (tan-top);  
 EDTA (royal blue-top); Sodium heparin (royal blue-top); Lavender  
 capillary tube  
 3 mL  
 Room Temp: 5 Days , Refrig: 14 Days , Frozen: 60 Days  
 Ship room temperature  
 Collection material such as alcohol swabs should be lead-free  
 Use powder-less gloves For capillary collection, wash hands  
 thoroughly with soap and dry with clean, low-lint towel Once  
 washed, fingers must not come into contact with any surface  
 Clean skin (finger or other area for venipuncture) with lead free  
 alcohol swab prior to puncture Avoid worksite collection Tests  
 performed on a specimen submitted in a non-trace element tube or  
 non acid washed/non metal free container may not accurately  
 reflect the patients level If a non-trace element

*tube/container is received, it will be accepted for testing  
 However, elevated results shall be reported with a message that a  
 re-submission with a trace element tube/container is recommended*

---

**Legionella Antigen, Ur by EIA**

Test Code: **ULEGAGz** CPT:87449  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 8856  
 Turn-around-time:

**Special Instructions:** 1 mL UR REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Cup (MIC)	0.5

8856  
*Legionella Antigen, EIA, Urine  
 Urine  
 Sterile screw cap container  
 1 mL  
 Room Temp: 24 Hours , Refrig: 14 Days , Frozen: 30 Days  
 Ship refrigerated*

---

**Leptin**

Test Code: **LEPTz** CPT:82397  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 90367  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

90367  
*Leptin  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 8 Hours, Refrig: 14 Days, Frozen: 5 Weeks  
 Ship refrigerated (Okay to thaw)*

---

**Leptospira DNA, QL PCR**

Test Code: **LEPTOz** CPT:8779890  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17875  
 Turn-around-time:

**Special Instructions:** LEPTOz: Sterile Container 1ml F(FRZ)\*

<u>Age (Y)</u>	<u>Container</u>
0-100	Sterile Container Frozen

17875  
*Leptospira DNA, Qualitative Real-Time PCR  
 1 mL  
 Sterile, plastic, leakproof container  
 Ship frozen  
 Room Temp: Unacceptable, Refrig: Unacceptable, Frozen: 30 Days  
 Collect urine in a sterile, plastic container with a leak-proof  
 cap Freeze at -20 degrees C immediately, and transport frozen  
 Do not thaw*

**Levetiracetam**

Test Code: *LEVEz* CPT:80299  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 15142  
 Turn-around-time:

**Special Instructions:** 1 mL S ASAP REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1.5

15142

*Levetiracetam*

*Serum*

*Red-top (no gel); EDTA (lavender-top); EDTA (royal blue-top);*

*Sodium heparin (green-top)*

*1 mL*

*Room Temp: 14 Days , Refrig: 28 Days , Frozen: 60 Days*

*Ship room temperature*

*Collected in Red-Top tube (No gel) Collect at trough level (ie immediately prior to next dose) Avoid use of serum separator*

*tubes as the drug may be adsorbed to the gel*

*CPT:80299*

**Lipase**

Test Code: *LIP* CPT:83690  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

*CPT: 83690*

*NorCAL:*

*No hemolysis*

**Lipoprotein (a)**

Test Code: *LIPROTz* CPT:83695  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34604  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

34604

*Lipoprotein (a)*

*Serum*

*Red-top (no gel); SST (red-top); EDTA (lavender-top); EDTA (royal blue-top); Lithium heparin (green-top); Sodium heparin*

*(green-top)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 90 Days*

*Ship room temperature (Okay to thaw)*

*CPT:83695*

**Lipoprotein Electrophoresis**

Test Code: *LEz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 35436X  
 Turn-around-time:

Special Instructions: 2 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*35436X*  
*Lipoprotein Electrophoresis*  
*Serum*  
*Red-top (no gel); SST (red-top/glass); SST (red-top/plastic)*  
*2 mL*  
*Room Temp: 24 Hours, Refrig: 7 Days, Frozen: 14 Days*  
*Ship refrigerated*  
*If a cholesterol measurement is to be performed along with other lipid tests, the patient should fast 9-12 hours prior to collection Fasting for at least 12 hours is required*

**Listeria Ab, CSF by CF**

Test Code: *LISABz* CPT:86609  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 11012  
 Turn-around-time:

Special Instructions: 1 mL CSF REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Cup (MIC)	0.5

*11012*  
*Listeria Antibody, CF (CSF) (60022)*  
*CSF*  
*Sterile Plastic Screw-Cap Container*  
*1 mL*  
*Room Temp: 7 Days, Refrig: 14 Days, Frozen: 30 Days*  
*Ship room temperature*

**Lithium**

Test Code: *LI* CPT:80178  
 Dept: Chemistry Special Prefix: CS  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.20000000298 023199

*CPT: 80178*

**Liver Fibrosis Panel, FibroSUR**

Test Code: *LIFBPz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 92688  
 Turn-around-time: PERFORMED TUES-SAT. REPORTED IN 2-4 DAYS

Special Instructions: LIFBPz: 3.5(2)mL S-Rfg OVERNIGHT FASTING PREF.

<u>Age (Y)</u>	<u>Container</u>
----------------	------------------



0-100

Serum Separator Tube

*LAB NOTES: Serum should be separated from the cells as soon as possible after visible clot formation (usually 15-30 minutes after collection)*

*SPECIMEN STABILITY: Room temp: 24 hrs; Refrig: 5 days; Frozen: 5 days*

### Liver Kidney Microsome, IgG

Test Code: **LKMIGGz** CPT:86376  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 15038  
 Turn-around-time:

**Special Instructions: 1 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

15038

*Liver Kidney Microsome (LKM-1) Antibody (IgG)*

*Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 7 Days, Refrig: 14 Days, Frozen: 30 Days*

*Ship Room temperature (Okay to thaw)*

*CPT:86376*

### Lorazepam

Test Code: **LORAz** CPT:80154  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34519  
 Turn-around-time:

**Special Instructions: 4 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	6

34519

*Lorazepam (37242E)*

*Serum*

*Red-top (no gel); EDTA (lavender-top); Sodium heparin (green-top)*

*4 mL*

*Room Temp: 72 Hours, Refrig: 72 Hours, Frozen: Unacceptable*

*Ship refrigerated*

### Lupus (SLE) Panel

Test Code: **LUPSz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37491  
 Turn-around-time:

**Special Instructions: LUPSz: 3 mL S REF\***

<u>Age (Y)</u>	<u>Container</u>
0-100	Serum Separator Tube

37491

*Lupus Erythematosus (SLE) Panel*

*Serum*

*Red-top (no gel); SST (red-top)*

*65 mL*

*Room Temp: 8 Hours , Refrig: 7 Days , Frozen: 28 Days*

*Ship refrigerated Shipping room temp unacceptable; Shipping frozen acceptable*

*REJECT CRIT: Received room temperature; Post mortem specimens;*

*Gross hemolysis; Lipemia; grossly icteric; plasma; heat-treated samples; microbially contaminated serum; specimens containing heavy, visible particulate*

*CPT: 86038; 86431; 86235 (x5); 83516; 86255 (x2); 83516; 86255; 86160(x2); 86376; 86255 (x2); 83516*

**Luteinizing Hormone**

Test Code: *LH*

CPT:83002

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

Container

0-100

Green Li Heparin PST

**Lyme Disease IgG Ab, Bld**

Test Code: *LYMz*

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 8593

Turn-around-time:

**Special Instructions:**

**1 mL S REF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

3.5

*8593*

*Lyme Disease Antibodies (IgG, IgM) Immunoblot Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature*

**Lyme Disease IgG IgM Rflx Blot**

Test Code: *LYABWBz*

CPT:86618

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 6646

Turn-around-time:

**Special Instructions:**

**1 mL S REF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

2

*6646*

*Lyme Disease Antibody with Reflex to Blot (IgG, IgM) Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature*

*CPT:86618*

**Lyme Disease IgG,M IBL,CSF**

Test Code: *LYMGMFz* CPT:  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 70028  
 Turn-around-time:

**Special Instructions:** 2 mL CSF REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Cup (MIC)	0.5

70028

*Lyme Disease Antibodies (IgG, IgM), IBL (CSF) (6034)*

*CSF*

*Sterile Plastic screw-Cap Container*

*2 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature*

**Lyme Disease, Qual PCR**

Test Code: *LYMFQLZ* CPT:87801  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 15564  
 Turn-around-time:

**Special Instructions:** 1 mL SYNOV FLD or CSF REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Cup (MIC)	0.5

15564

*Lyme Disease (Borrelia spp) DNA Qual Real-Time PCR, Synovial Fluid/CSF*

*Synovial fluid or CSF*

*Sterile leak-proof container*

*1 mL*

*Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days*

*Ship refrigerated*

**Lymphocyte Subset Panel 1**

Test Code: *LYMS1z* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7197X  
 Turn-around-time:

**Special Instructions:** 5 mL WB AMB \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Ambient	3

7197X

*Lymphocyte Subset Panel 1*

*Whole blood*

*EDTA (lavender-top)*

*5 mL*

*Room Temp: 72 Hours , Refrig: Unacceptable , Frozen: Unacceptable*

*Ship room temperature*

*Do not freeze Do not transfer whole blood to M4 Submit the preferred EDTA tubes at room temperature Volumes less than 1 mL should be submitted in a Pediatric EDTA tube*

**Lymphocyte Subset Panel 2**

Test Code: **LYMS2z**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 36420X

Turn-around-time:

**Special Instructions: 5 mL WB AMB \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Ambient	3

*36420X*

*Lymphocyte Subset Panel 2*

*Whole blood*

*EDTA (lavender-top)*

*5 mL*

*Room Temp: 72 Hours , Refrig: Unacceptable , Frozen: Unacceptable*

*Ship room temperature*

*Do not freeze Do not transfer whole blood to M4 Submit the preferred EDTA tubes at room temperature Volumes less than 1 mL should be submitted in a Pediatric EDTA tube*

---

### Lymphocyte Subset Panel 3

Test Code: **LYMS3z**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 7195X

Turn-around-time:

**Special Instructions: 5 mL WB AMB \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Ambient	3

*7195X*

*Lymphocyte Subset Panel 3*

*Whole blood*

*EDTA (lavender-top)*

*5 mL*

*Room Temp: 72 Hours , Refrig: Unacceptable , Frozen: Unacceptable*

*Ship room temperature*

*Do not freeze Do not transfer whole blood to M4 Submit the preferred EDTA tubes at room temperature Volumes less than 1 mL should be submitted in a Pediatric EDTA tube*

---

### Lymphocyte Subset Panel 4

Test Code: **LYMS4z**

CPT:86360

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 7924X

Turn-around-time:

**Special Instructions: 5 mL WB AMB \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Ambient	3

*7924X*

*Lymphocyte Subset Panel 4*

*Whole blood*

*EDTA (lavender-top)*

*5 mL*

*Room Temp: 72 Hours , Refrig: Room Temperature Only , Frozen:*

*Unacceptable*

*Ship room temperature*

*Do not freeze Do not transfer whole blood to M4 Submit the preferred EDTA tubes at room temperature*

---

**Lymphocyte Subset Panel 5**

Test Code: **LYMS5z** CPT:86361  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8360X  
 Turn-around-time:

**Special Instructions:** 5 mL WB AMB \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Ambient	3

*8360X  
 Lymphocyte Subset Panel 5  
 Whole blood  
 EDTA (lavender-top)  
 5 mL  
 Room Temp: 72 Hours , Refrig: Unacceptable , Frozen: Unacceptable  
 Ship room temperature  
 Do not freeze Do not transfer whole blood to M4 Submit the preferred EDTA tubes at room temperature Volumes less than 1 mL should be submitted in a Pediatric EDTA tube*

---

**Lysozyme**

Test Code: **LYSOz** CPT:85549  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 619  
 Turn-around-time:

**Special Instructions:** 1 mL S R(REF)\*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*619  
 Muramidase (Lysozyme), Serum  
 Serum  
 SST (red-top/plastic)  
 1 mL  
 Room Temp: 24 Hours , Refrig: 15 Days , Frozen: 18 Days  
 Ship Refrigerated  
 Centrifuge within 1 hour of collection and transfer serum specimens to sterile, plastic, screw-capped vial(s) Freeze and ship frozen on dry ice  
 Reject Criteria: Room temperature samples older than 24 hours; plasma collection in citrate or heparin; moderate to gross hemolysis; grossly lipemic*

---

**Magnesium**

Test Code: **MG** CPT:83735  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

---

**Magnesium, RBC**

Test Code: **MGBCz**

CPT:83735

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 623

Turn-around-time:

**Special Instructions:** Lavender RBC 0.5 mL R (REF) \*

Age (Y)	Container	Volume (mLs)
0-100	Lavender Whole Blood Ref	3

623

Magnesium, RBC

Packed cells

EDTA (lavender-top); EDTA (royal blue-top); EDTA (lavender-top);

EDTA (royal blue-top)

05 mL

Room Temp: 7 Days , Refrig: 7 Days , Frozen: Unacceptable

Ship refrigerated

Patient should refrain from taking vitamins, or mineral herbal supplements for at least one week before sample collection

Centrifuge to separate plasma from RBCs and discard plasma

Transfer RBCs to a plastic transfer vial from a Quest

Diagnostics (trace element and metal free) collection kit or

transfer to a plastic screw cap vial

### Marijuana Metab, Quant

Test Code: **MARJQz**

CPT:82492

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 26514

Turn-around-time:

**Special Instructions:** 10 mL R UR REF

Age (Y)	Container	Volume (mLs)
0-100	Urine Sterile Cup	0.5

26514

Marijuana Metabolite, Quantitation, Urine (4133U)

Random urine

Sterile leak-proof container

10 mL

Room Temp: 5 Days , Refrig: 7 Days , Frozen: 30 Days

Ship room temperature

### Mercury, Bld

Test Code: **MERBz**

CPT:83825

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 636

Turn-around-time:

**Special Instructions:** 4 mL WB REF \*

Age (Y)	Container	Volume (mLs)
0-100	Royal EDTA	2

636

Mercury, Blood

Whole blood

EDTA (royal blue-top); Sodium heparin (royal blue-top)

4 mL

Room Temp: 5 Days , Refrig: 7 Days , Frozen: Unacceptable

Ship refrigerated

*Avoid worksite collection Tests performed on a specimen submitted in a non-trace element tube or non acid washed/non metal free container may not accurately reflect the patients level If a non-trace element tube/container is received, it will be accepted for testing However, elevated results shall be reported with a message that a re-submission with a trace element tube/container is recommended Carefully clean skin prior to venipuncture Avoid seafood consumption for 48 hours prior to sample collection*

---

**Metanephrines Fract, Ur**

Test Code: **METRz** CPT: Quest Diagnostics Nichols Inst 14961X  
 Dept: Reference Special Prefix: ZS  
 Turn-around-time: Setup: Tuesday thru Saturday; Reports in 3-4 days  
**Special Instructions:** Dietary restrictions. METRz: 5(1.5)ML U-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	1

*COLLECTION NOTES: It is preferable for the patient to be off medications for three days prior to collection Patient should avoid tobacco, tea, coffee, for three days prior to specimen collection Common antihypertensives (diuretics, ACE inhibitors, calcium channel blockers, alpha and beta blockers) cause minimal or no interference Medications which are alpha agonists (Aldomet), alpha blockers (Dibenzyliline) should be avoided 18-24 hours prior to specimen collection*

**REJECTION CRITERIA:**

*LAB NOTES: After urine collection, add 25 mL of 6N HCl to maintain a pH below 3 Urine without preservative is acceptable Record patients age on test request form and urine vial*  
**SPECIMEN STABILITY:** Room temp: 7 days; Refrig: 8 days  
 Frozen: 30 days

---

**Metanephrines Fract, Ur 24hr**

Test Code: **METUz** CPT:83835 Quest Diagnostics Nichols Inst 14962X  
 Dept: Reference Special Prefix: ZS  
 Turn-around-time: Setup: Tuesday thru Saturday; Reports in 3-4 days  
**Special Instructions:** Instructions: Dietary Restrictions. METUz: 5(1.5) mL 24U-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	2

*COLLECTION NOTES: It is preferable for the patient to be off medications for three days prior to collection Patient should avoid tobacco, tea, coffee, for three days prior to specimen collection Common antihypertensives (diuretics, ACE inhibitors, calcium channel blockers, alpha and beta blockers) cause minimal or no interference Medications which are alpha agonists (Aldomet), alpha blockers (Dibenzyliline) should be avoided 18-24 hours prior to specimen collection*

**REJECTION CRITERIA:**

*LAB NOTES: After urine collection, add 25 mL of 6N HCl to maintain a pH below 3 Urine without preservative is acceptable*

Record patients age on test request form and urine vial  
 SPECIMEN STABILITY: Room temp: 7 days; Refrig: 8 days  
 Frozen: 30 days

**Metanephrines Free, PI**

Test Code: **METAPLz** CPT:83835  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 19548  
 Turn-around-time:

**Special Instructions: 2.5 mL PL ASAP \***

Age (Y)	Container	Volume (mLs)
0-100	Lavender Ice	3

19548  
 Metanephrines, Fractionated, Free, LC/MS/MS, Plasma  
 Plasma  
 EDTA (lavender-top), Pre-chilled  
 25 mL  
 Room Temp: 4 Hours , Refrig: 14 Days , Frozen: 14 Days  
 Ship refrigerated (Okay to thaw)  
 Draw specimen in a pre-chilled EDTA lavender-top Vacutainer(TM)  
 The whole blood sample should be kept on wet ice until centrifuged (preferably at 4 degrees C) to separate the plasma within 2 hours of venipuncture After centrifugation, the plasma should be transferred to a plastic, leak-proof vial and immediately refrigerated Patients should be relaxed in either a supine or upright position before blood is drawn Patient should avoid alcohol, coffee, tea, tobacco and strenuous exercise prior to collection Overnight fasting is preferred

**Methadone Metab, Ur by GC/MS**

Test Code: **METURz** CPT:83840  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 8418Z  
 Turn-around-time:

**Special Instructions: 30 mL R UR REF**

Age (Y)	Container	Volume (mLs)
0-100	Sterile Cup (MIC)	5

8418Z  
 Methadone by GC/MS, Urine (2087)  
 Random urine  
 Plastic leak-proof container  
 30 mL  
 Room Temp: 72 Hours , Refrig: 14 Days , Frozen: 1 Year  
 Ship refrigerated (Okay to thaw)  
 CPT:83840

**Methadone, Screen/Conf**

Test Code: **METHSUz** CPT:8010190  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 7176Z  
 Turn-around-time:

**Special Instructions: 30 mL R UR or UR NO PRES REF**

Age (Y)	Container	Volume (mLs)
0-100	Urine Sterile Cup	1



**Methotrexate**

Test Code: *METHOz* CPT:8029990  
 Dept: Reference Non Interfaced Blood Prefix: ZB  
 Turn-around-time:

**Special Instructions:** 1-2 mL REF Protect From Light \*  

<u>Age (Y)</u>	<u>Container</u>
0-100	Red Prot-Light

*Send to Alta Bates:  
 2450 Ashby Ave, Berkeley  
 1-510-204-1631  
 via RAPID EXPRESS 526-7633  
 Use Quest Nichols Requisition, write our fax #, phone # and STAT  
 on Reg Lab cost center is 7500 (for billing)*

**Methylenetetrahydrofolate Redu**

Test Code: *MTHFRz* CPT:81291  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17911  
 Turn-around-time:

**Special Instructions:** 5 mL WB REF  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Whole Blood Ref	6

*17911  
 Methylenetetrahydrofolate Reductase (MTHFR), DNA Mutation  
 Analysis  
 Whole blood  
 EDTA (lavender-top); EDTA (royal blue-top); Sodium heparin  
 (green-top); ACD solution A (yellow-top); ACD solution B  
 (yellow-top); Lithium heparin (green-top)  
 5 mL  
 Room Temp: 8 Days , Refrig: 8 Days , Frozen: Unacceptable  
 Ship room temperature*

**Methylmalonic Acid & Homocystn**

Test Code: *METHCYz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 91003  
 Turn-around-time:

**Special Instructions:** 2.7 mL S ASAP REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red Iced	1

*91003  
 Methylmalonic Acid and Homocysteine (Nutritional and Congenital)  
 Serum  
 Red-top (no gel); SST (red-top); Royal blue trace metal free  
 tube; EDTA (lavender-top); Sodium heparin (green-top); Royal  
 blue-top (Sod Hep) trace element free w/green band  
 27 mL  
 Room Temp: 4 Days , Refrig: 7 Days , Frozen: 6 Months  
 Ship refrigerated*

*Reject Criteria: Gross hemolysis; Whole blood specimens; Unseparated serum or plasma; Grossly lipemic*  
*Red top tubes: Place the specimen in a refrigerator or ice bath for 30 minutes after collection Centrifuge the specimen as soon as possible after complete clot formation has taken place*  
*Transfer the serum to a plastic screw-capped vial*  
*Barrier gel separator tubes: Place the specimen in a refrigerator for 30 minutes after collection Centrifuge the specimen as soon as possible after complete clot formation has taken place Do not place barrier tubes in an ice bath as freezing may prevent the barrier gel from adequately separating serum from cells*  
*EDTA or heparin tubes: Place the specimen in a refrigerator or ice bath until the specimen can be centrifuged Centrifuge the specimen as soon as possible and transfer the plasma to a plastic screw-capped vial*

---

**Methylmalonic Acid, by GC/MS**

Test Code: **METHz** CPT:83921  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34879  
 Turn-around-time:

**Special Instructions: 1 mL S ASAP REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	4

91002

*Methylmalonic Acid, GC/MS/MS*

*Serum*

*Red-top (no gel); SST (red-top/glass); Royal blue trace metal free tube; Sodium heparin (green-top); Royal blue-top (Sod Hep) trace element free w/green band*  
*2 mL (1 mL minimum)*

*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 10 Months*  
*Ship room temperature*

*Red top tube: Centrifuge the specimen as soon as possible after complete clot formation has taken place Transfer the serum to a plastic screw-capped vial and ship it at refrigerated temperature*  
*Barrier gel separator tube: Centrifuge the specimen as soon as possible after complete clot formation has taken place Do not place barrier tubes in an ice bath as freezing may prevent the barrier gel from adequately separating serum from cells*  
*Transfer the serum to a plastic screw-capped vial and ship it at refrigerated temperature*  
*Heparin tube: Centrifuge the specimen as soon as possible (within one hour after collection) and transfer the plasma to a plastic screw-capped vial and ship it at refrigerated temperature*  
*Royal Blue top serum and Royal Blue top sodium heparin are acceptable containers*  
*Instructions for collecting blood in Royal Blue top serum tube is similar to red top or SST tubes and sodium heparin tubes*

*CPT:83921*

---

**Methylmalonic Acid, Ur by GCMS**

Test Code: **MMAUz** CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 91032  
 Turn-around-time:

**Special Instructions: Urine Refrigerated 2.0 mL R(REF) \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	1

91032  
 Methylmalonic Acid, GC/MS/MS, Urine  
 Urine with no preservative  
 No preservative; Sterile screw cap container; No preservative;  
 Sterile screw cap container  
 17 mL  
 Room Temp: Unacceptable , Refrig: 12 Days , Frozen: 30 Days  
 Ship refrigerated (Okay to thaw)  
 Do not use preservatives

---

**Microalbumin, Ur 24hr**

Test Code: **MALBU24** CPT:82043  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	1

**Microalbumin/Creat Ratio, Ur**

Test Code: **MALBU** CPT:  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	0.5

*QUEST#6517*

---

**Microsporidia Spore Detection**

Test Code: **MICSz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3562  
 Turn-around-time:

**Special Instructions:** Stl, preserved in 10% formalin \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	TOTAL FIX	2

3562  
 Microsporidia Exam  
 Stool preserved in 10% formalin or Total-Fix transport vial  
 5 g or 5 mL  
 Preserved Specimen  
 Room Temp: 30 Days , Refrig: 30 Days , Frozen: Unacceptable  
 Ship preserved specimens at room temperature (preferred)  
 Raw Specimens  
 Room Temp: Unacceptable , Refrig: 7 days , Frozen: Unacceptable  
 Ship refrigerated if raw specimen

---

**Miscellaneous Test**

Test Code: **MISCOz** CPT:

Dept: Reference Non Interfaced

Prefix: ZN

Turn-around-time:

Age (Y)

0-100

Container

Special Container

### Mixing Study, aPTT

Test Code: *MIXPTT*

CPT:

Dept: Coagulation

Prefix: K

Turn-around-time:

**Special Instructions:** **SJE: DRAW 2 BLUE TOPS**

Age (Y)

0-100

Container

Blue NaCitrate 2.7 mL

Volume (mLs)

2.70

*COLLECTION NOTES: The correct ratio of blood to anticoagulant MUST be maintained Level of blood in blue container MUST be at fill mark Transport to laboratory immediately*

*REJECTION CRITERIA: Hemolyzed, high hematocrit, or clotted*

*CPT: 85730 ; 85732(x2)*

### Mixing Study, PT

Test Code: *MIXPT*

CPT:

Dept: Coagulation

Prefix: K

Turn-around-time:

**Special Instructions:** **SJE:COLLECT 2 BLUE TOPS**

Age (Y)

0-100

Container

Blue NaCitrate 2.7 mL

Volume (mLs)

2.7

*COLLECTION NOTES: The correct ratio of blood to anticoagulant MUST be maintained Level of blood in blue container MUST be at fill mark Transport to laboratory immediately*

*REJECTION CRITERIA: Hemolyzed, high hematocrit, or clotted*

*CPT: 85610(x4) ; 85611(x4)*

### MMR Immunity Profile

Test Code: *XMMRP*

CPT:

Dept: Immunology

Prefix: IM

Turn-around-time:

Age (Y)

0-100

### Mono Test

Test Code: *MONO*

CPT:86308

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

0.5

**Mullerian Hormone Antibody**

Test Code: *AMHz* CPT:83520  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16842X  
 Turn-around-time: Setup: Tuesday thru Saturday. Report available 1-3 days.

**Special Instructions:** No gel tubes. AMHz: 1(0.5)ml S-Fz

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1.5

*COLLECTION NOTES:*

*REJECTION CRITERIA:* Gel, gross hemolysis, icteric, lipemic

*LAB NOTES:*

*SPECIMEN STABILITY:* Room temp: N/A; Refrig: 5 days; Frozen: 30 days

*CLINICAL SIGNIFICANCE:* AMH/MIS may be used in the investigation of ovarian reserve and the perimenopausal transition in women; the detection and onset of puberty in the young, the differential diagnosis of intersex disorders; the diagnosis of cryptorchidism and anorchidism, and the evaluation of male gonadal function in all ages

**Multiple Sclerosis Panel**

Test Code: *MSPz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7085X  
 Turn-around-time:

**Special Instructions:** MSPz:4(2)ml CSF & 3(1.5)ml S-Rfg

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	CSF Tube #4	2

*COLLECTION NOTES:* It is preferred that the collection date and the time be the same for both CSF and serum, however it is acceptable for them to be drawn within 48 hours of each other Submitting CSF collection tube #4 minimizes blood contamination CSF must be crystal clear

*REJECTION CRITERIA:* CSF not crystal clear

*LAB NOTES:* if no serum is supplied, make notation run with serum control on request form

*SPECIMEN STABILITY:* Room temp:8 hrs; Refrig:5 days; Frozen:14 days

**Mumps Virus, IgM**

Test Code: *MVABz* CPT:86735  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36565  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

36565

Mumps Virus Antibody (IgM)

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days

*Ship room temperature*

**Myasthenia Gravis Panel 1**

Test Code: **MYASGz** CPT:   
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7550X  
 Turn-around-time:

**Special Instructions:** 2 mL S REF  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*7550X  
 Myasthenia Gravis Panel 1  
 Serum  
 Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)  
 2 mL  
 Room Temp: 4 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature (Okay to thaw)*

**Mycophenolic Acid**

Test Code: **MYCPz** CPT:80180  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10662  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1.5

*10662  
 Mycophenolic Acid  
 Serum  
 Red-top (no gel); EDTA (lavender-top); Sodium heparin (green-top)  
 1 mL  
 Room Temp: 72 Hours , Refrig: 14 Days , Frozen: 14 Days  
 Ship refrigerated (Okay to thaw)  
 Optimum time to collect sample: 05 to 1 hour before next dose  
 (trough) at steady-state (3-5 days after treatment with oral  
 doses) Serum: Collect blood in plain red-top (no gel) tube  
 Allow blood to clot at 15-28 degrees C for 20-30 minutes  
 Centrifuge at 20-25 degrees C (2200-2500 rpm, 1000 x g) for 8-10  
 minutes Transfer serum to polypropylene or polyethylene  
 transport tube Ship refrigerated (cold packs) Samples left at  
 room temperature for more than 3 days are not acceptable Plasma:  
 Draw blood into EDTA lavender-top tube Separate cells by  
 centrifugation at 18-25 degrees C (2500-2800 rpm) for 5-10  
 minutes Transfer plasma to polypropylene or polyethylene  
 transport tube Ship refrigerated (cold packs) Samples left at  
 room temperature for more than 3 days are not acceptable*

**Myelin Basic Protein, CSF**

Test Code: **MBPz** CPT:83873  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 663  
 Turn-around-time:

**Special Instructions:** 1.2 mL CSF REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
----------------	------------------	---------------------

0-100

CSF Tube (MIC)

1

663  
 Myelin Basic Protein  
 CSF  
 Sterile screw cap container  
 12 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 1 Year  
 Ship room temperature  
 Blood contamination and hemolysis may interfere with results  
 Submitting 4th lumbar puncture collection tube minimizes blood contamination

---

**Myelin-Assoc Glycoprot Ab, IgM**

Test Code: **MAGMz** CPT:83520  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37438  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

37438  
 Myelin-Associated Glycoprotein (MAG) Antibody (IgM), EIA  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days  
 Ship refrigerated (Okay to thaw)

---

**Myeloperoxidase Antibody**

Test Code: **MYELABz** CPT:86021  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8796  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

8796  
 Myeloperoxidase Antibody  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature (Okay to thaw)  
 Avoid hemolysis

---

**Myoglobin, Ur**

Test Code: **MYGUz** CPT:83874  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 661  
 Turn-around-time: Setup: Tuesday thru Saturday; Reports in 1-4 days.

**Special Instructions:** Urine in Myoglobin tube within 1 hour. MYGUz: 4ml U-FZ

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
----------------	------------------	---------------------

**COLLECTION INSTRUCTIONS:**

**REJECTION CRITERIA:** Received room temperature; Received in a non-Myoglobin transport tube; Specimen received past stability; pH <8.0; more than 4 mL urine in Myoglobin transport tube; timed urine samples;

**LAB NOTES:** Urine must be added to Myoglobin transport tube within 1 hour of collection

**SPECIMEN STABILITY:** Room Temp: Unacceptable, Refrig: 72 Hours Frozen: 72 hours

**CLINICAL SIGNIFICANCE:** The breakdown of skeletal muscle (rhabdomyolysis) releases myoglobin. Very high concentrations of myoglobin may increase the risk of acute renal failure

**Myositis AssessR Plus Jo Abs**

Test Code: **MAJz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10185N  
 Turn-around-time:

**Special Instructions:** Plain Red 6 mL R(REF) \*

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel)	7

10185N

Myositis AssessR(TM) Plus Jo-1 Autoantibodies (3242)

Serum

6 mL

Red-top no gel preferred; SST (red-top/plastic)

Room Temp: 4 Days, Refrig: 7 Days, Frozen: 30 Days

Collect serum in a red-top tube. Separate serum within 4 hours of collection. Split serum into two transfer tubes, 3 mL in each, and ship by overnight courier

**Natural Killer Cells**

Test Code: **NKCz** CPT:86357  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37088X  
 Turn-around-time:

**Special Instructions:** 5 mL WB AMB \*

Age (Y)	Container	Volume (mLs)
0-100	Lavender Ambient	3

37088X

Natural Killer Cells

Whole blood

EDTA (lavender-top)

5 mL

Room Temp: 72 Hours, Refrig: Unacceptable, Frozen: Unacceptable

Ship room temperature

**Neuron Specific Enolase**

Test Code: **NSEz** CPT:86316  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 34476  
 Turn-around-time:



**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

34476

Neuron Specific Enolase

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days

Ship room temperature

**Newborn Screening**

Test Code: *NBSz* CPT:  
 Dept: Reference Non Interfaced Blood Prefix: ZB  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Special Container

**Nicotine & Cotinine, Ser**

Test Code: *NICBz* CPT:83887  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 90642  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1.5

90642

Nicotine and Cotinine, LC/MS/MS, Serum/Plasma

Serum

Red-top (no gel); EDTA (lavender-top); EDTA (royal blue-top);

EDTA (lavender-top)

1 mL

Room Temp: 72 Hours , Refrig: 21 Days , Frozen: 30 Days

Ship refrigerated

**Nicotine/Cotinine, Ur**

Test Code: *NICRz* CPT:83887  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 90646  
 Turn-around-time:

**Special Instructions:** 1 mL R UR REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	1

90646

Nicotine and Cotinine, LC/MS/MS, Urine

Random urine

Plastic leak-proof container

1 mL

Room Temp: 72 Hours , Refrig: 14 Days , Frozen: 30 Days

*Ship refrigerated*

**Non-Employee Source Pt Panel**

Test Code: *SPP* CPT:  
 Dept: Laboratory - no prefix Prefix:  
 Turn-around-time:  
 Age (Y)  
 0-100

*CPT: 86706 ; 86803 ; 87340*

**Norovirus Ag**

Test Code: *NORVz* CPT:87449  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 15544X  
 Turn-around-time:

**Special Instructions:** 2 Grams FRSH STL FRZ

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Stool Frozen	1

*15544X  
 Norovirus, EIA (Stool) (81106)  
 Fresh stool  
 Sterile leak-proof container  
 2 Grams  
 Room Temp: Unacceptable , Refrig: 72 Hours , Frozen: 21 Days  
 Ship frozen (Do not thaw)*

**Norovirus RNA RT-PCR**

Test Code: *NORVSTz* CPT:87798  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 19098  
 Turn-around-time:

**Special Instructions:** 1 g STL FRZ

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Stool Trans Container (MIC)	0.5

*19098X  
 Norovirus RNA, RT-PCR (44340)  
 Stool  
 1 g (0.5 g minimum) Frozen, Sterile leak-proof container  
 Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days  
 Ship frozen (Do not thaw)*

**Nortriptylline**

Test Code: *NORTz* CPT:80182  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 272  
 Turn-around-time:

**Special Instructions:** 3 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	5

272

*Nortriptyline*

*Serum*

*Red-top (no gel); EDTA (lavender-top); Sodium heparin (green-top); Lithium heparin (green-top)*

*3 mL*

*Room Temp: 5 Days , Refrig: 7 Days , Frozen: 30 Days*

*Ship room temperature*

*Do not use gel barrier/Serum Separator tubes ACD tube is unacceptable Collect at steady-state trough concentrations*

*Specimen should be collected >12 hrs after dose*

**N-Telo,Collagen Cross-Linked**

Test Code: *NTXz*

CPT:

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 36167

Turn-around-time:

**Special Instructions:** 2 mL; 2 mL 2HR UR REF \*

Age (Y)

Container

Volume (mLs)

0-100

Urine Sterile Cup

1

*36167*

*Collagen Cross-Linked N-Telopeptide (NTx), Urine*

*Second void urine or 2-hour urine; Urine with no preservative*

*Standard Urine Transport Container; Standard Urine Transport*

*Container; Standard Urine Transport Container*

*2 mL (1 mL)*

*Room Temp: 72 Hours , Refrig: 5 Days , Frozen: 30 Days ; Room*

*Temp: 72 Hours , Refrig: 5 Days , Frozen: 30 Days*

*Ship refrigerated (Okay to thaw); Ship refrigerated (Okay to thaw)*

*Do not use preservatives Acidified specimen is not acceptable*

*Second morning void urine: Discard the first morning void*

*Collect the second morning void Mix well 2-hour urine: Discard*

*the first morning void Collect the voids during a 2-hour period*

*afterward Mix well If submitting a 24-hour urine specimen, use*

*test code 36421*

**Nuclear Matrix Proteins, Ur**

Test Code: *NMPUz*

CPT:86316

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 34099X

Turn-around-time:

**Special Instructions:** 10 mL STBL R UR ASAP REF \*

Age (Y)

Container

Volume (mLs)

0-100

Urine Sterile Cup

0.5

*34099X*

*Nuclear Matrix Proteins (NMP) (9620)*

*Stabilized random urine sample*

*Matritech NMP-22 urine collection kit*

*10 mL*

*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 56 Days*

*Ship refrigerated*

*Collect a single void of urine between midnight and noon*

*Stabilize sample immediately Stabilized urine collected with*

*NMP22 Urine Collection Kit should be blue/green in color Keep*

*sample away from direct sunlight 1 Test should not be performed*

*on persons with total cystectomy 2 Urine sample should be collected at least 5 days after invasive procedures such as cystoscopy or catheterization*

---

**OB Type and Screen (Client)**

Test Code: **OBSCRN** CPT:  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Results Pending  
 Age (Y)  
 0-100

---

**Oligoclonal Bands IgG, CSF**

Test Code: **OLIGz** CPT:83916  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 674  
 Turn-around-time:

**Special Instructions: 1 mL & 1 mL S and CSF REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	CSF Tube (MIC)	3.5

674  
*Oligoclonal Bands (IgG), CSF Serum and CSF  
 Red-top (no gel); SST (red-top); Sterile screw cap container  
 1 mL and 1 mL  
 Room Temp: 8 Hours , Refrig: 5 Days , Frozen: 14 Days and Room Temp: 8 Hours , Refrig: 5 Days , Frozen: 14 Days  
 Ship refrigerated (Okay to thaw) and Ship refrigerated (Okay to thaw)  
 INSTRUCTION: It is preferred that the collection date and time be the same for both CSF and serum; however, it is acceptable for them to be drawn within 48 hours of each other Client must be contacted when no serum is supplied to confirm the order It is acceptable to send through CSF without Serum when client has indicated to run with serum control CSF must be crystalline and clear (CSF collection tube #4 preferred)*

---

**Opiates, Ur by GC/MS**

Test Code: **OPIURz** CPT:83925  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 6232Z  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Cup (MIC)	15

6232Z  
*Opiates by GC/MS, Urine (6232Z)  
 Random urine  
 Plastic leak-proof container; No preservative  
 15 mL  
 Room Temp: 72 Hours , Refrig: 7 Days , Frozen: 30 Days  
 Ship refrigerated (Okay to thaw)  
 CPT:83925*

**Organic Acids, Ur Full Pan Qnt**

Test Code: *OAFPUz* CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 90561  
 Turn-around-time:

Special Instructions: 13 mL R UR FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Frozen	1

90561  
*Organic Acids, Full Panel, Quantitative, Urine  
 Random urine, no preservative  
 Standard Transport Tube; Standard Urine Transport Container;  
 Standard Urine Transport Container; Standard Transport Tube  
 13 mL  
 Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: 28 Days  
 Ship frozen (Do not thaw)  
 If volume is less than 4 mL- call the Biochemical Genetics  
 Laboratory for instructions To prevent delays in testing, the  
 laboratory requests the receipt of two labeled containers: One  
 standard urine transport container (or standard transport tube)  
 containing specimen for organic acid analysis One standard  
 transport tube labeled for creatinine analysis- used for  
 normalizing urine results Do not use preservatives Avoid fecal  
 contamination of urine Patient age is required for correct  
 reference range*

**Osmolality, Ser**

Test Code: *OSMO* CPT:83930  
 Dept: Chemistry Special Prefix: CS  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Osmolality, Stool**

Test Code: *OSMFz* CPT:84999  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 968  
 Turn-around-time:

Special Instructions: 1 mL R L STL FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Stool Frozen	0.299999999999 999999

968  
*Osmolality, Feces  
 Random liquid stool  
 Plastic leak-proof container  
 1 mL  
 Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: Not  
 Established  
 Ship frozen (Do not thaw)  
 Formed Stool will not be accepted Freeze and ship frozen*

**Osmolality, Ur**

Test Code: *OSMU* CPT:83935  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	0.5

**Osteocalcin N-MID**

Test Code: *OSTEOCz* CPT:83937  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16322  
 Turn-around-time:

Special Instructions: 1 mL S ASAP FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

16322  
*Osteocalcin, N-MID*  
 Serum  
 Red-top (no gel); SST (red-top/plastic)  
 1 mL  
 Room Temp: Unacceptable , Refrig: 24 Hours , Frozen: 21 Days  
 Ship frozen (Okay to thaw)  
 Collect blood in a red-top tube (no gel) Allow blood to clot at room temperature (20-26 degrees C) and centrifuge immediately to separate the serum from the cells Freeze as soon as possible

**Oxalic Acid, Ur 24hr**

Test Code: *OAU24z* CPT:83945  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 11318X  
 Turn-around-time:

Special Instructions: 10 mL 24UR REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	2

11318X  
*Oxalic Acid, 24-Hour Urine (without Creatinine)*  
 24-hour urine  
 25 mL 6N HCl  
 10 mL  
 Room Temp: 6 Days , Refrig: 7 Days , Frozen: 4 Months  
 Ship room temperature (Okay to thaw)  
 Please submit a 10 mL aliquot of a 24-hour collection Collect urine with 25 mL of 6N HCl to maintain a pH below 3 Refrigerate during and after collection Patient should refrain from taking excessive amounts of Ascorbic Acid or Oxalate-rich foods (ie, spinach, coffee, tea, chocolate, rhubarb) for at least 48 hours prior to the collection period

**Oxcarbazepine Metabolite**

Test Code: *OXCARz* CPT:83789  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36637

Turn-around-time:

Special Instructions: 1 mL S REF \*

Age (Y)  
0-100

Container  
Red (No Gel)

Volume (mLs)  
1

36637

Oxcarbazepine Metabolite, Serum/Plasma (36637)

Serum

Red-top (no gel); EDTA (lavender-top)

1 mL

Reject criteria: Do not collect in serum separator tubes (SST)

Room Temp: 72 Hours , Refrig: 14 Days , Frozen: 60 Days

Ship refrigerated

Do not collect in serum separator tubes (SST)

CPT:83789

### Oxycodone, w Metab Quant

Test Code: OXYMQNSz

CPT:83925

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 18885

Turn-around-time:

Special Instructions: 5 mL S REF \*

Age (Y)  
0-100

Container  
Red (No Gel) Frozen

Volume (mLs)  
7

18885

Oxycodone and Metabolite, Quantitative, Serum (4176)

Serum

Red-top (no gel)

5 mL

Room Temp: 7 Days , Refrig: 7 Days , Frozen: 7 Days

Ship room temperature

Do not use serum separator tubes

### Pancreatic Elastase-1

Test Code: PANCEz

CPT:82656

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 14693

Turn-around-time:

Special Instructions: 1 gm STL FRZ \*

Age (Y)  
0-100

Container  
Sterile Cup (MIC)

Volume (mLs)  
0.4000000000  
000002

Pancreatic Elastase-1

Stool

Sterile screw cap container

1 gm

Room Temp: 7 Days , Refrig: 7 Days , Frozen: 1 Year

Ship refrigerated

Collect undiluted feces in clean, dry, sterile leak proof container Do not add fixative or preservative

Reject criteria: Specimens collected in formalin, MF, SAF or PVA; Cary-Blair media

**Panel, Basic Metabolic**

Test Code: *BMP* CPT:80048  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

*CPT: 80048*

**Panel, Comprehensive Metabolic**

Test Code: *CMP* CPT:80053  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

*CPT: 80053*

*QUEST#10231*

*Collect SST Tube Recommended volume 30ml Minimum volume 20ml  
 Serum Fasting specimen preferred Avoid hemolysis Transport at  
 room temperature Stable for 48 hours at room temperature or 7  
 days if refrigerated*

**Panel, Lipid - Calc LDL**

Test Code: *LIPID* CPT:80061  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

*CPT: 80061*

**Panel, Lipid - Direct LDL**

Test Code: *LIPIDD* CPT:80061  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Plasma Separator Tube

**Panel, Lipid - Direct LDL Rflx**

Test Code: *LIPIDR* CPT:80061  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Plasma Separator Tube

**Panel, Lipid Cardio Advanced**



Test Code: **CARDLPz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 92145  
 Turn-around-time:

**Special Instructions:** **CARDLPz: SST 4 mL R(REF)\***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	7

*92145  
 Cardio IQ(R) Advanced Lipid Panel  
 Serum  
 SST (red/black tiger top)  
 4 mL  
 Room Temp: 24 Hours , Refrig: 5 Days , Frozen: 15 Days  
 Ship refrigerated  
 Reject: Gross hemolysis; moderately icteric; grossly icteric;  
 grossly lipemic  
 Only serum is acceptable*

---

**Panel, Renal**

Test Code: **RENAL** CPT:80069  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

**Parasite Identification**

Test Code: **PSIDz** CPT:87169  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 3950  
 Turn-around-time:

**Special Instructions:** **SUSPD PARASITIC WORM REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Cup (MIC)	1

*3950  
 Parasite Identification  
 Suspected parasitic worm (nematode or cestode)  
 Sterile screw cap container  
 Room Temp: 60 days, Refrig: 60 days, Frozen: Unacceptable  
 Ship refrigerated  
 Submit tapeworm in saline and other parasites in 70% alcohol as  
 soon as possible Specify specimen source on test request form  
 and specimen container Do not send stool*

---

**Parvovirus B19 Ab, IgG**

Test Code: **PARVGz** CPT:86747  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8945X  
 Turn-around-time:

**Special Instructions:** **1 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

8945X  
 Parvovirus B19 Antibody (IgG)  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
 Ship room temperature

---

**Parvovirus B19 Ab, IgG,M**

Test Code: **PARVGMz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8946  
 Turn-around-time:

**Special Instructions:** 2 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

8946  
 Parvovirus B19 Antibodies (IgG, IgM)  
 Serum  
 Red-top (no gel); SST (red-top)  
 2 mL  
 Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
 Ship room temperature  
 CPT:86747(x2)

---

**Parvovirus B19 Ab, IgM**

Test Code: **PARVMz** CPT:86747  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8948  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

8948  
 Parvovirus B19 Antibody (IgM)  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
 Ship room temperature

---

**Parvovirus B19, PCR Qual**

Test Code: **PARDz** CPT:87798  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34296X  
 Turn-around-time:

**Special Instructions:** 1 mL PL REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	PPT Potassium EDTA (white top)	1.5

34296X  
 Parvovirus B19 DNA, Qualitative Real-Time PCR (43010)

**Plasma**

PPT Potassium EDTA (white top); EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B (yellow-top); SST (red-top/plastic); SST (red-top/glass); Red-top (no gel); Sterile leak-proof container; EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B (yellow-top); Sterile screw cap container; Sterile leak-proof container

1 mL

Room Temp: 4 Days , Refrig: 7 Days , Frozen: 8 Months

Ship refrigerated

Plasma: Collect blood in sterile tubes containing EDTA or ACD as anticoagulant or in Plasma Preparation Tubes (PPTs) Store collected whole blood at room temperature and separate plasma from cells within 2 hours of collection Transfer plasma to sterile, plastic, screw-capped tubes and store refrigerated or frozen If blood is collected in a PPT tube, centrifuge within 2 hours of collection and store refrigerated or frozen It is not necessary to transfer the plasma from a PPT tube to aliquot tubes Whole blood and bone marrow: Collect whole blood or bone marrow in sterile tubes containing EDTA or ACD as anticoagulant Store and ship refrigerated Do not freeze Amniotic fluid: Collect in a sterile container and refrigerate for storage and transport Avoid repeated freezing and thawing of specimens Tissue: Collect in a sterile container Store and ship frozen Serum: Collect blood in sterile tubes without anticoagulants; (SS, serum separator tube) is recommended Allow blood to clot at room temperature and separate serum from cells within 2 hours of collection Transfer serum to sterile, plastic, screw-capped aliquot tubes Store refrigerated up to 7 days or frozen -18 degrees C or lower for up to 30 days Avoid repeated freezing and thawing of specimen

**Pathology Bone Marrow**

Test Code: **PATHBM** CPT:

Dept: PTH Prefix: P

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	PTH

3/6/15- SRS - built for ordering a pathology Bone Marrow specimen in lab

**Pathology Tissue**

Test Code: **PATH** CPT:

Dept: PTH Prefix: P

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	PTH

4/3/13- SRS - built for ordering a pathology specimen in lab

**pH, Fluid**

Test Code: **PHFL** CPT:83986

Dept: Hematology Fluids Prefix: HF

Turn-around-time:

Age (Y)  
0-100

Container  
Green Li Heparin PST

*CPT: 83986*

---

**Phenobarbital**

Test Code: *PHENB* CPT:80184  
Dept: Chemistry Prefix: C  
Turn-around-time:

Age (Y)  
0-100

Container  
Green Li Heparin PST

Volume (mLs)  
0.5

---

**Phenylalanine, Plasma**

Test Code: *PHNLz* CPT:84030  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37356  
Turn-around-time:

**Special Instructions:** 0.4 mL PL ASAP FRZ \*

Age (Y)  
0-100

Container  
Green Frozen

Volume (mLs)  
4

*37356*

*Phenylalanine  
Plasma*

*Sodium heparin (green-top); Lithium heparin (green-top); EDTA  
(lavender-top)*

*04 mL*

*Room Temp: Unstable , Refrig: 7 Days , Frozen: 30 Days*

*Ship frozen (Okay to thaw)*

*Separate plasma from cells as soon as possible and freeze below  
-20 degrees C Collect specimen after an overnight fast (or at  
least 4 hours after a meal) if possible Non-fasting samples are  
acceptable for pediatric patients*

---

**Phenytoin (Dilantin)**

Test Code: *DILANT* CPT:80185  
Dept: Chemistry Prefix: C  
Turn-around-time:

Age (Y)  
0-100

Container  
Green Li Heparin PST

Volume (mLs)  
0.5

---

**Phenytoin (Dilantin), Free**

Test Code: *DILFz* CPT:80186  
Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3189  
Turn-around-time:

**Special Instructions:** 2.5 mL S REF \*

Age (Y)  
0-100

Container  
Red (No Gel)

Volume (mLs)  
6

**Pheochromocytoma Eval, 24Ur**

Test Code: *PHEOCHz* CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 10520X  
 Turn-around-time:

**Special Instructions:** 24 Hour Urine Container 14 mL R(REF) \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	6

*10520X  
 Pheochromocytoma Evaluation  
 24-hour urine  
 Sterile screw cap container; 25 mL 6N HCl; OK to add preservative  
 after collection; 25 mL 6N HCl  
 14 mL  
 Room Temp: 8 Hours , Refrig: 8 Days , Frozen: 30 Days  
 Ship refrigerated (Okay to thaw)  
 After urine collection, add 25 mL of 6N HCl to maintain a pH  
 below 3 Urine without preservative is acceptable if pH is below  
 6 and the sample is shipped frozen Record 24-hour urine volume  
 on test request form and urine vial Record patients age on test  
 request form and urine vial It is preferable for the patient to  
 be off medications for three days prior to collection Patient  
 should avoid tobacco, tea, coffee, for three days prior to  
 specimen collection Common antihypertensives (diuretics, ACE  
 inhibitors, calcium channel blockers, alpha and beta blockers)  
 cause minimal or no interference Medications which are alpha  
 agonists (Aldomet), alpha blockers (Dibenzyliline) should be  
 avoided 18-24 hours prior to specimen collection*

**Phosphatidylserine Ab,IgG,A,M**

Test Code: *PHOGAMz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10062  
 Turn-around-time:

**Special Instructions:** 1 mL PL or S REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue Sodium Citrate	2.70000004768 37198

*10062  
 Phosphatidylserine Antibodies (IgG, IgA, IgM)  
 Plasma or Serum  
 32% Sodium Citrate (lt blue-top); Red-top (no gel); SST  
 (red-top)  
 1 mL  
 Room Temp: 7 Days , Refrig: 28 Days , Frozen: 28 Days  
 Ship room temperature (Okay to thaw)  
 For further information, please refer to the Quest Diagnostics  
 Nichols Institute Reference Manual*

**Phospholipids**

Test Code: *PHOSLz* CPT:8431190  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 717

Turn-around-time:

Special Instructions: PHOSLz: Serum Separator Tube 1.0 mL R(REF)\*

Age (Y)

0-100

Container

Serum Separator Tube

717

Phospholipids

Serum

10 mL

SST (Red-top); Red-top(no-gel)

Ship refrigerated

Stability: Room temp: 6 days; Refrig: 30 Days; Frozen: 60 Days

Reject criteria: Plasma; Lipemia

Centrifuge within 1 hour of collection Immediately separate serum specimens from the cells into clean, plastic, screw-capped vial(s)

### Phosphorus

Test Code: *PHOS*

CPT:84100

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

0-100

Container

Green Li Heparin PST

Volume (mLs)

0.5

### Pinworm Exam

Test Code: *PIN*

CPT:87172

Dept: Parasitology

Prefix: P

Turn-around-time:

Age (Y)

0-100

### Plasma Renin Activity

Test Code: *PRAz*

CPT:84244

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 16846

Turn-around-time:

Special Instructions: 0.8 mL PL FRZ \*

Age (Y)

0-100

Container

Lavender Frozen

Volume (mLs)

1.5

16846

Plasma Renin Activity, LC/MS/MS

Plasma

EDTA (lavender-top)

08 mL

Room Temp: 24 Hours, Refrig: Unacceptable, Frozen: 28 Days

Ship frozen (Do not thaw)

After collection sample can be stored up to 24 hours at room temperature DO NOT REFRIGERATE THE SAMPLE Refrigeration will

cause cryoactivation to occur and prorenin will convert to renin causing falsely high renin activity results  
 Set up: Sun-Fri; Report available: Wed-Sat, Mon, Mon

---

**Plasminogen Act Inhibitor Ag**

Test Code: *PAI1AGz* CPT:85415  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36555X  
 Turn-around-time:

Special Instructions: 1 mL PL FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

36555X  
 Plasminogen Activator Inhibitor (PAI-1) Antigen  
 Plasma  
 32% Sodium Citrate (It blue-top)  
 1 mL  
 Reject if gross hemolysis present or if grossly lipemic  
 Room Temp: Unacceptable , Refrig: 2 Unacceptable , Frozen: 30 Days  
 Ship frozen (Do not thaw)  
 Set up Thurs; Report available in 7-12 days  
 Refer to Quest Diagnostics Nichols Institute Directory of Services under Specimen Collection section, Coagulation Testing for further information on specimen processing

---

**Platelet Ab, Indirect IgG,A,M**

Test Code: *PLTGAMz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34327  
 Turn-around-time:

<u>Age (Y)</u>
0-100

34327  
 Platelet Antibodies, Indirect (IgG, IgM, IgA)  
 Serum  
 SST (red-top); Red-top (no gel)  
 2 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature  
 Collect 5 mL whole blood in a serum separator tube (red-top) and separate serum before submitting

---

**Platelet Count, Automated**

Test Code: *PLATLET* CPT:  
 Dept: Hematology Prefix: H  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

**Platelet Function**

Test Code: **PFAP** Dept: Coagulation Prefix: K  
 Turn-around-time:

Age (Y)  
 0-100 Blue Top

Collect 3 blue top sodium citrate tubes, deliver ASAP. Do NOT centrifuge

*COLLECTION NOTES: The correct ratio of blood to anticoagulant MUST be maintained Level of blood in blue container MUST be at fill mark Transport to laboratory immediately*

*REJECTION CRITERIA: Hemolyzed, high hematocrit, or clotted*

**PML RARA t (15,17) RT PCR**

Test Code: **PMLRz** CPT:81315  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 14994  
 Turn-around-time:

**Special Instructions:** PMLRz:6 mL EDTA WB AMB

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender Whole Blood Ambient	6

14994

*PML/RARA t(15;17), Quantitative Real-Time PCR, Cell-based Whole blood*

*EDTA (lavender-top);ACD Solution A(Yellow-top);Sodium Heparin(green-top)*

*6 mL*

*Room Temp: 72 Hours , Refrig: 72 Hours , Frozen: Unacceptable*

*Ship room temperature*

*PREFERRED SAMPLE TYPE IS WHOLE BLOOD BONE MARROW IS ACCEPTABLE*

*TEMPERATURE: Ship whole blood or bone marrow at Room temperature or 4 degrees C*

*STABILITY: ROOM TEMP REFRIGERATED FROZEN 72 HOURS 72 HOURS UNACCEPTABLE (for whole blood/bone marrow)*

*INSTRUCTION: Collect 6 mL whole blood or 3 mL bone marrow in an EDTA (lavender-top) tube Whole blood or bone marrow is shipped at room temperature or refrigerated (cold packs) Do not freeze whole blood or bone marrow*

*After collection of the sample, draw date and time, as well as sample type, must be written on the tube and included as requested information Ship sample immediately, due to short stability of 72 hours If the stability of the sample cannot be determined, delay in result or cancellation of test may occur*

*Clotted specimens are unacceptable Do not reject*

**PNH with FLAER Hi Sensitivity**

Test Code: **PNHz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 94148  
 Turn-around-time:

**Special Instructions:** 5 mL WB AMB

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Whole Blood Ambient	3

94148

*PNH with FLAER (High Sensitivity)*



Whole blood  
 Sodium heparin (green-top); EDTA (lavender-top); ACD solution A (yellow-top)  
 5 mL  
 Room Temp: 72 Hours , Refrig: Not Recommended , Frozen: Unacceptable  
 Ship room temperature

---

**Poliovirus Ab Neutralization**

Test Code: **POLIOz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 94106  
 Turn-around-time:

**Special Instructions:** POLIOz: Serum Separator Tube 1 mL R(REF)

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	1

94106  
 POLIOVIRUS(1,3) AB, NEUTRAL  
 Serum  
 Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)  
 1 mL  
 Room Temp: 5 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship refrigerated

---

**Porphobilinogen, Ur 24hr Quant**

Test Code: **PBGUz** CPT:84110  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 726  
 Turn-around-time:

**Special Instructions:** 10 mL 24UR REF \*

Age (Y)	Container	Volume (mLs)
0-100	24 Hour Urine Container	2

726  
 Porphobilinogen, Quantitative, 24-Hour Urine  
 24-hour urine  
 24-hour urine container - sodium carbonate; No preservative  
 10 mL  
 Room Temp: Unacceptable , Refrig: 7 Days , Frozen: 30 Days  
 Ship refrigerated (Okay to thaw)  
 Urine for a 24 hour collection should be alkalized with sodium carbonate (5g Na2CO3) to a pH of 6-7 The urine should be refrigerated and protected from light during the collection If sample is to also be used for ALA, maintain pH between 6-7

---

**Porphobilinogen, Ur Quant**

Test Code: **PORPQUz** CPT:84110  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 6329  
 Turn-around-time:

**Special Instructions:** 10 mL R UR PROT LIGHT REF \*

Age (Y)	Container	Volume (mLs)
0-100	Urine Sterile Cup	0.5

6329

*Porphobilinogen, Quantitative, Random Urine*

*Random urine*

*Sterile screw cap container; No preservative; Sterile screw cap container; No preservative*

*10 mL*

*Room Temp: Unacceptable , Refrig: 7 Days , Frozen: 30 Days*

*Ship frozen (Okay to thaw)*

*Do not use preservatives Wrap tube in aluminum foil to protect from light Store and ship at dry ice temperature STABILITY:*

*Room Temperature: Refrigerated: Frozen:*

*Unacceptable 1 Week (ph 6-7) 1 Month (ph 6-7)*

**Porphyrins, Fract PBG 24Ur Qnt**

Test Code: *PORz*

CPT:

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 17198

Turn-around-time:

**Special Instructions: 12 mL 24UR NO PRES REF PROTECT FROM LIGHT\***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Prot From Light	3

*17198*

*Porphyrins, Fractionated, Quantitative and Porphobilinogen, 24-Hour Urine*

*24-hour urine, no preservative*

*24-hour urine container - sodium carbonate; No preservative*

*12 mL*

*Room Temp: Unacceptable , Refrig: 7 Days , Frozen: 30 Days*

*Ship refrigerated (Okay to thaw)*

*Urine for a 24 hour collection should be alkalized with sodium carbonate (5g Na<sub>2</sub>CO<sub>3</sub>) to a pH of 6-7 The urine should be refrigerated and protected from light during the collection If sample is to also be used for ALA, maintain pH between 6-7*

**Porphyrins, Fract Ur Quant**

Test Code: *PORRz*

CPT:84120

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 36592

Turn-around-time:

**Special Instructions: 24 Hour Urine Container Prot-Light 2 mL R(REF) \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	2

*36592*

*Porphyrins, Fractionated, Quantitative, Random Urine*

*Random urine or Random urine, no preservative*

*No preservative; 5 g sodium carbonate; No preservative; Sterile screw cap container*

*2 mL*

*Room Temp: Unacceptable , Refrig: 7 Days , Frozen: 30 Days*

*Ship refrigerated (Okay to thaw)*

*Random urine collected with 5 grams of sodium carbonate, refrigerated and protected from light during collection is preferred Collection with no preservative is acceptable, if properly refrigerated and light protected*

**Porphyrins, Total Plasma**

Test Code: *PORPz* CPT:82491  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10290  
 Turn-around-time:

**Special Instructions:** Green Frozen Prot-Light 2 mL F(FRZ) \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Frozen	4

*10290*  
*Porphyrins, Total, Plasma*  
*Plasma*  
*Sodium heparin (green-top); EDTA (lavender-top); Red-top (no gel)*  
*2 mL*  
*Room Temp: 8 Hours , Refrig: 8 Hours , Frozen: 90 Days*  
*Ship frozen (Okay to thaw)*  
*Collect blood sample with FOIL-WRAPPED green-top tube Separate*  
*plasma by centrifugation Avoid hemolysis Remove plasma to a*  
*light-protected tube Freeze immediately after separation*

**Potassium**

Test Code: *K* CPT:84132  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Potassium, 24hr Ur**

Test Code: *KU24* CPT:84133  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

**Special Instructions:** Keep refrigerated during collection  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	1

**Potassium, Feces**

Test Code: *KSTLz* CPT:84311  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 8832  
 Turn-around-time:

**Special Instructions:** Sterile Cup 10 mL F(FRZ) \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Stool Frozen	3

*8832*  
*Potassium, Feces (13830)*  
*Liquid stool*  
*Plastic leak-proof container*  
*10 mL*  
*Room Temp: 48 Hours , Refrig: 14 Days , Frozen: 6 Months*  
*Ship frozen (Do not thaw)*

Submit frozen samples of liquid feces Keep refrigerated during collection Liquid stool is the only acceptable specimen for this test 10 mL ALIQUOT of 24 hr, 48 hr, or 72 hr liquid stool specimens are acceptable

---

**Potassium, Ur**

Test Code: *KU* CPT:84133  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	0.5

---

**PPD Tuberculin Skin Test**

Test Code: *PPDTST* CPT:  
 Dept: Immunology Prefix: IM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	SYRINGE

---

**Prealbumin**

Test Code: *PALB* CPT:84134  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

---

**Pregnenolone, by LC/MS/MS**

Test Code: *PREGNEZ* CPT:84140  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 31493X  
 Turn-around-time:

Special Instructions: 0.5 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1

*31493X  
 Pregnenolone, LC/MS/MS  
 Serum  
 Red-top (no gel)  
 05 mL  
 Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 1 Year  
 Ship refrigerated  
 Set up: Sun-Fri; Report available: Wed-Sat, Mon, Mon*

---

**Pre-Op Extended Crossmatch**

Test Code: *BBKEXTEND* CPT:  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Result Pending  
 Special Instructions: To be ordered on PRE-OP patients only

Age (Y)  
 0-100

**Primidone Incl Phenobarb**

Test Code: *PRIMz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 751X  
 Turn-around-time:  
**Special Instructions:** 1 mL; 1 mL PL or S ASAP REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1

751X  
*Primidone (Mysoline) Includes Phenobarb Quan (6381)*  
*Plasma; Serum*  
*EDTA (lavender-top); Red-top (no gel); No additive (dark blue-top)*  
*1 mL; 1 mL*  
*Room Temp: 72 Hours , Refrig: 14 Days , Frozen: 30 Days ; Room Temp: 72 Hours , Refrig: 14 Days , Frozen: 30 Days*  
*Ship refrigerated; Ship refrigerated*  
*Centrifuge and immediately separate plasma or serum specimens from the cells into clean, plastic, screw-capped vial(s) Collect just prior to next dose*

**Proinsulin**

Test Code: *PROINSz* CPT:84206  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 760X  
 Turn-around-time:  
**Special Instructions:** 1 mL S ASAP FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Frozen	2

760X  
*Proinsulin*  
*Serum*  
*Red-top (no gel); SST (red-top/plastic); SST (red-top/glass); EDTA (lavender-top)*  
*1 mL*  
*Room Temp: 24 Hours , Refrig: 72 Hours , Frozen: 6 Months*  
*Ship frozen (Okay to thaw)*  
*Allow blood to fully clot (about 1/2 hour) at room temperature (20-25 degrees C) Centrifuge in a refrigerated centrifuge and separate serum immediately Specimens collected in serum separation tubes should be removed from the gel after centrifugation Overnight fasting is required*  
 CPT:84206

**Prolactin**

Test Code: *PROL* CPT:84146  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
----------------	------------------	---------------------

**Prostate Specific Ag**

Test Code: *PSA* CPT:84153  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*CPT: G0103*

**LAB NOTES:** *High doses of Biotin may interfere with assay. See Notification, page 12.*

**Prostate Specific Ag, Screen**

Test Code: *PSAS* CPT:  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

**LAB NOTES:** *High doses of Biotin may interfere with assay. See Notification, page 12.*

**Prostatic Acid Phosphatase**

Test Code: *PAPz* CPT:84066  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 208  
 Turn-around-time:

**Special Instructions:** 1 mL S FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Frozen	1

208

*Prostatic Acid Phosphatase (PAP)*

*Serum*

*Red-top (no gel); SST (red-top/glass); SST (red-top/plastic)*

*1 mL*

*Room Temp: 24 Hours , Refrig: 24 Hours , Frozen: 28 Days*

*Ship frozen (Okay to thaw)*

*Samples should be obtained before rectal examination, biopsy, prostatectomy or prostatic massage, since manipulating the prostate gland may lead to elevated PAP levels persisting up to 24-48 hours Specimens must be frozen if received by the laboratory greater than 24 hours after collection*

**Protein C, Antigen**

Test Code: *PCAGz* CPT:85302  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4948  
 Turn-around-time:

**Special Instructions:** 1 mL PL ASAP FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

4948  
 Protein C Antigen  
 Plasma  
 32% Sodium Citrate (It blue-top)  
 1 mL  
 Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: 14 Days  
 Ship frozen (Do not thaw)  
 Draw blood in a light blue-top tube containing 32% sodium citrate, mix gently by inverting 3-4 times Centrifuge 15 minutes at 1500 g within one hour of collection Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial(s) Freeze immediately and transport on dry ice

---

**Protein Electrophor, 24hr**

Test Code: **PEP24z** CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 750  
 Turn-around-time:  
 Special Instructions: 25 mL 24UR NO PRES REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	10

750  
 Protein Electrophoresis, 24-Hour Urine  
 24-hour urine, no preservative  
 24-hour urine container; Sterile screw cap container; Urinalysis transport tube (yellow-top, blue fill line, preservative tube)  
 25 mL  
 Room Temp: 4 Days , Refrig: 5 Days , Frozen: 30 Days  
 Ship room temperature (Okay to thaw)  
 Total volume required Record on both the specimen container and the request form

---

**Protein Electrophor, CSF**

Test Code: **PEPCz** CPT:  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 749  
 Turn-around-time:  
 Special Instructions: 6 mL CSF REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	CSF Tube (MIC)	1

749  
 Protein Total and Protein Electrophoresis, CSF  
 CSF  
 Plastic screw-cap container  
 6 mL  
 Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 28 Days  
 Ship refrigerated (Okay to thaw)

**Protein Electrophoresis**

Test Code: *PEPEUZ* CPT:  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 8525  
 Turn-around-time:

Special Instructions: 25 mL R UR REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	1

8525  
*Protein Electrophoresis and Total Protein, Random Urine*  
*Random urine, no preservative*  
*Plastic screw-cap container*  
*25 mL*  
*Room Temp: 4 Days , Refrig: 5 Days , Frozen: 30 Days*  
*Ship room temperature (Okay to thaw)*  
*Please submit 10 mL of a well-mixed random collection*

**Protein S Antigen, Free**

Test Code: *PSAGFz* CPT:85306  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10170  
 Turn-around-time:

Special Instructions: 1 mL PL ASAP FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

10170  
*Protein S Antigen, Free*  
*Plasma*  
*32% Sodium Citrate (It blue-top)*  
*1 mL*  
*Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: 30 Days*  
*Ship frozen (Do not thaw)*  
*Draw blood in a light blue-top tube containing 32% sodium citrate, mix gently by inverting 3-4 times Centrifuge 15 minutes at 1500 g within one hour of collection Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial(s) Freeze immediately and transport on dry ice*

**Protein S Antigen, Total**

Test Code: *PSAGTz* CPT:85305  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 5165  
 Turn-around-time:

Special Instructions: 1 mL PL ASAP FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

5165  
*Protein S Antigen, Total*  
*Plasma*



32% Sodium Citrate (lt blue-top)

1 mL

Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: 30 Days

Ship frozen (Do not thaw)

Draw blood in a light blue-top tube containing 32% sodium citrate, mix gently by inverting 3-4 times Centrifuge 15 minutes at 1500 g within one hour of collection Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial(s) Freeze immediately and transport on dry ice

**Protein/Creatinine Ratio, Ur**

Test Code: *TPCRU*

CPT:

Dept: Chemistry Urinalysis

Prefix: CU

Turn-around-time:

Age (Y)	Container	Volume (mLs)
0-100	Urine Sterile Cup	1

**Proteinase-3 Antibody**

Test Code: *PROTAB3z*

CPT:86021

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 34151

Turn-around-time:

Special Instructions: 1 mL S REF \*

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

34151

Proteinase-3 Antibody

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days

Ship room temperature (Okay to thaw)

Avoid hemolysis

**Prothrombin (Factor II) Mutat**

Test Code: *FACT2z*

CPT:81240

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 17909

Turn-around-time:

Special Instructions: 5 mL WB REF

Age (Y)	Container	Volume (mLs)
0-100	Lavender Whole Blood Ref	1.5

**Prothrombin Time**

Test Code: *PT*

CPT:85610

Dept: Coagulation

Prefix: K

Turn-around-time:

Special Instructions: Tube must be filled to mark.

Age (Y)	Container	Volume (mLs)

0-100

Blue NaCitrate 2.7 mL

2.70000004768  
37198

*COLLECTION NOTES: The correct ratio of blood to anticoagulant MUST be maintained Level of blood in blue container MUST be at fill mark Transport to laboratory immediately*  
*REJECTION CRITERIA: Hemolyzed, high hematocrit, or clotted.*  
*SPECIMEN STABILITY: Room temperature 24 hours*

**PTH Intact**

Test Code: *PTHIN* CPT:83970  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

**PTH Related Protein**

Test Code: *PTHRz* CPT:83519  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34478Z  
 Turn-around-time:

**Special Instructions:** 0.5 mL PL ASAP REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	BMCG Green (NA-Heparin)	4

*34478Z*  
*PTH-Related Protein (PTH-RP)*  
*Plasma*  
*Sodium heparin (green-top)*  
*05 mL*  
*Room Temp: 7 Days , Refrig: 7 Days , Frozen: 28 Days*  
*Ship room temperature (Okay to thaw)*  
*Sodium Heparin Tubes: Centrifuge the specimen as soon as possible Transfer the plasma to a plastic screw capped vial*  
*Mark the specimen type as plasma on the transport tube DO NOT submit unspun tubes*

**PTT (Heparin Protocol)**

Test Code: *PTTH* CPT:85730  
 Dept: Coagulation Prefix: K  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Blue NaCitrate 2.7 mL

*COLLECTION NOTES: The correct ratio of blood to anticoagulant MUST be maintained Level of blood in blue container MUST be at fill mark Transport to laboratory immediately*  
*REJECTION CRITERIA: Hemolyzed, high hematocrit, or clotted*

**Pyruvic Acid**

Test Code: *PYVAz* CPT:84210  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 765Z

Turn-around-time:

Special Instructions: **PROT FREE Filr ASAP REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

765Z

*Pyruvic Acid (Pyruvate), Blood (5041)*

*Protein-free filtrate*

*EDTA (lavender-top); Sodium heparin (green-top); Sodium fluoride gray-top); Lithium heparin (green-top)*

*Room Temp: Unacceptable , Refrig: 30 Days , Frozen: 90 Days*

*Ship refrigerated*

*Collect 4 mL random whole blood EDTA (lavender-top), sodium or lithium heparin (green-top), or fluoride oxalate (gray-top) tube*

*and immediately mix with 4 mL ice cold 7% or 8% Perchloric Acid*

*Let mixture stand for 10 minutes; then, centrifuge Separate and*

*submit 45 mL supernatant fluid for assay, refrigerated 2-8*

*degrees C Transport refrigerated (cold packs) Please specify on*

*the request form volumes of blood and Perchloric Acid used*

**Q Fever, Abs IgG,M w/Reflex**

Test Code: **QFAZ** CPT:

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37071

Turn-around-time:

Special Instructions: **1 mL S REF**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

37071

*Q Fever (Coxiella burnetii) Antibodies (IgG, IgM) with Reflex to*

*Titers*

*Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days*

*Ship refrigerated*

**RBC Fragility**

Test Code: **RBCFz** CPT:85557

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17364X

Turn-around-time:

Special Instructions: **Sodium Heparin 5 mL R(REF) \***

<u>Age (Y)</u>	<u>Container</u>
0-100	Green (Sodium Heparin)

17364X

*RBC Fragility - Incubated*

*Whole Blood*

*Sodium Heparin (green-top);Lithium Heparin (green-top)*

*5 mL; 3 mL minimum*

*Room Temp: 48 Hours , Refrig: 72 Hours , Frozen: Unacceptable*

*Ship refrigerated*

*5 mL whole blood drawn into green top tube Do not use PST plasma*

*separation tube) heparin tube Do not pop/open tube Do not pour off sample Sample must be sterile Clotted and/or hemolyzed samples are unacceptable Samples MUST be received in the lab Monday through Thursday and ASAP after collection Ship overnight express*

---

**Reptilase Clotting Time**

Test Code: **RPTCz** CPT:85635  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37700  
 Turn-around-time:

**Special Instructions:** **Blue (Sodium Citrate) Frozen 1 mL F(FRZ)**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

*37700  
 Reptilase Clotting Time (9413)  
 Plasma  
 32% Sodium Citrate (It blue-top)  
 1 mL  
 Room Temp: 8 Hours , Refrig: 24 Hours , Frozen: 30 Days  
 Ship frozen (Do not thaw)*

---

**Reticulocyte Count, Auto.**

Test Code: **RETICA** CPT:85045  
 Dept: Hematology Prefix: H  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

*CPT: 85045*

---

**Rh Interpretation**

Test Code: **RH** CPT:86901  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Results Pending

<u>Age (Y)</u>
0-100

**Ri Antibody Screen w/ Reflex**

Test Code: **RIABWBz** CPT:86255  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 10140  
 Turn-around-time:

**Special Instructions:** **0.5 mL S REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*10140  
 Ri Antibody Screen w/ Reflex to Titer and Western Blot  
 Serum*

*Red-top (no gel); SST (red-top)*

*0.5 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 21 Days*

*Ship room temperature*

*Overnight fasting is preferred*

**Ribosomal P Antibody**

Test Code: *RIBPz*

CPT:83516

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 34283

Turn-around-time:

**Special Instructions:** 1 mL S REF \*

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

2

*34283*

*Ribosomal P Antibody*

*Serum*

*Red-top (no gel); SST (red-top); No additive (royal blue-top)*

*1 mL*

*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days*

*Ship room temperature (Okay to thaw)*

*Avoid hemolysis*

**Rickettsia Ab, w/ Reflex**

Test Code: *RICKGMz*

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 6419

Turn-around-time:

**Special Instructions:** 1 mL S REF

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*6419*

*Rickettsia (RMSF) Antibodies (IgG, IgM) with Reflex to Titers*

*Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship room temperature*

**Ristocetin Cofactor**

Test Code: *VWFRCFz*

CPT:85245

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 4459X

Turn-around-time:

**Special Instructions:** 1 mL PL ASAP FRZ \*

Age (Y)

Container

Volume (mLs)

0-100

Blue (Sodium Citrate) Frozen

2.70000004768  
37198

*4459X*

*Ristocetin Cofactor*

*Plasma*

*32% Sodium Citrate (lt blue-top)*

*1 mL*

Room Temp: 6 Hours , Refrig: Unacceptable , Frozen: 30 Days

Ship frozen (Do not thaw)

Platelet-poor plasma: Centrifuge light blue-top tube for 15 minutes at approximately 1500 g within 60 minutes of collection Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial

Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial Plasma must be free of platelets (<10,000/mcL)

Freeze immediately and ship on dry ice Note: Storage of whole blood at refrigerated temperatures prior to processing may lead to cryoprecipitate formation and falsely low Factor VIII and von Willebrand Factor studies

**Rotavirus Antigen, by EIA**

Test Code: **ROTAGSTz**

CPT:87425

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 706

Turn-around-time:

Special Instructions: 5 mL; 5 g; 5 mL; 5 g FRSH STL or RECTAL SWB FRZ \*

Age (Y)	Container	Volume (mLs)
0-100	Stool Frozen	1

706

Rotavirus Antigen Detection, EIA

Fresh stool; Fresh stool; Rectal swab; Rectal swab

Sterile screw cap container; Sterile screw cap container;

Bacterial transport tube; No preservative; Bacterial transport tube; No preservative

5 mL; 5 g; 5 mL; 5 g

Room Temp: Unacceptable , Refrig: 72 Hours , Frozen: 30 Days ; Ship frozen;

5 mL or 5 g stool or swab with visible stool (1 mL stool or 1 g minimum, pea-sized portion of stool) Collect fresh stool in sterile, leak-proof container without media, preservative or metal ion For patients requiring the use of diapers, first line the diaper with clean plastic to prevent absorption Then transfer 5 g or 5 mL of stool specimen from the plastic lined diaper to the sterile container Do not submit the diaper itself Cap securely Do not use M4 transport media Do not use any preservative, media or additive

**RSV Screen Rapid**

Test Code: **RSV**

Dept: LAB Module Microbiology Tests

Prefix: LM

Turn-around-time:

Age (Y)	Container	Volume (mLs)
0-5	Special Swab	1

Collect nasopharyngeal swab (polyester, rayon, cotton or flocked, flexible shaft swabs Must be received within 1 hour of collection

Testing only approved for patients under 5 years of age

**Rubella IgG Antibody**

Test Code: *RUBIGG* CPT:86762  
 Dept: Immunology Prefix: IM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Serum Separator Tube

**Rubella, IgM**

Test Code: *RUBMz* CPT:86762  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4422X  
 Turn-around-time:

Special Instructions: 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*4422X*  
*Rubella Antibody (IgM)*  
*Serum*  
*Red-top (no gel); SST (red-top/plastic)*  
*1 mL*  
*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days*  
*Ship room temperature (Okay to thaw)*

**S. cerevisiae Ab, IgG,A**

Test Code: *SCERABz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 17609  
 Turn-around-time:

Special Instructions: 2 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3

*17609*  
*Saccharomyces cerevisiae Antibodies (ASCA) (IgG, IgA)*  
*Serum*  
*Red-top (no gel); SST (red-top/plastic)*  
*2 mL*  
*Room Temp: 14 Days , Refrig: 21 Days , Frozen: 21 Days*  
*Ship room temperature (Okay to thaw)*

**S. pneumoniae 23 Sero, IgG**

Test Code: *STG23z* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16963  
 Turn-around-time:

Special Instructions: 0.5 mL S ROOM

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	3.5

16963

*Streptococcus pneumoniae IgG Ab (23 serotypes), MAID (40962)*

Serum

Red-top (no gel); SST (red-top/plastic)

0.5 mL

Room Temp: 7 Days , Refrig: 14 Days , Frozen: 90 Days

Ship room temperature

Report available: 1-3 days

**S. pneumoniae IgG Ab Serotype**

Test Code: *SPNUz*

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 19564

Turn-around-time:

Special Instructions: 0.5 mL S REF

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

2

CPT: 86317(x14)

19564

*Streptococcus pneumoniae IgG Antibody Panel (14 Serotypes), MAID*

(40682)

Serum

Red-top (no gel); SST (red-top/plastic)

0.5 mL

Room Temp: 7 Days , Refrig: 14 Days , Frozen: 90 Days

Ship refrigerated

Report available: 1-3 days

**Salicylates Level**

Test Code: *SAL*

CPT:80329

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

0-100

Container

Green Li Heparin PST

Volume (mLs)

0.5

**Scl-70 Antibody**

Test Code: *SCL70z*

CPT:86235

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 4942

Turn-around-time:

Special Instructions: 1 mL S REF \*

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

0.5

4942

*Scl-70 Antibody*

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days

Ship room temperature (Okay to thaw)

Overnight fasting is preferred



**Selenium**

Test Code: *SELz* CPT:84255  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 5507  
 Turn-around-time:

**Special Instructions:** 2 mL S ASAP REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal Blue TM Serum	3

5507  
 Selenium  
 Serum  
 No additive (royal blue-top); EDTA (royal blue-top); Sodium heparin (royal blue-top)  
 2 mL  
 Room Temp: 8 Hours , Refrig: 14 Days , Frozen: 30 Days  
 Ship refrigerated (Okay to thaw)  
 Carefully clean skin prior to venipuncture Avoid worksite collection Avoid hemolysis Use the royal blue-topped Trace Metal evacuated tube, which is available with EDTA, heparin or no additives Do not use gel barrier tubes Centrifuge serum or plasma specimens within 1 hour of collection Immediately separate serum and plasma specimens from the cells into trace element collection vial(s) Patient should refrain from taking vitamins or mineral supplements at least three days prior to specimen collection  
 Patient Preparation:  
 Patient Preparation:  
 Patient should refrain from taking vitamins or mineral supplements at least three days prior to specimen collection  
 Instructions:  
 Carefully clean skin prior to venipuncture Avoid worksite collection Avoid hemolysis Use the royal blue-top Trace Metal evacuated tube, which is available with EDTA, heparin or no additives Do not use gel barrier tubes Centrifuge serum or plasma specimens within 1 hour of collection Immediately separate serum and plasma specimens from the cells into trace element collection vial(s)

**Selenium, Bld**

Test Code: *SELBz* CPT:84255  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 6296Z  
 Turn-around-time:

**Special Instructions:** 2 mL WB REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal EDTA	1

6296Z  
 Selenium, Whole Blood (4875W)  
 Whole blood  
 Royal blue-top (EDTA) in trace element collection system; Royal blue-top (Sod Hep) trace element free w/green band; Sodium

*heparin (green-top); EDTA (lavender-top)*  
 2 mL  
 Room Temp: 14 Days , Refrig: 30 Days , Frozen: 60 Days  
 Ship room temperature  
 Carefully clean skin prior to venipuncture Avoid worksite collection

---

**Serotonin Release Assay Unfr**

Test Code: **SERRAZ** CPT:86022  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 14627  
 Turn-around-time:

**Special Instructions:** 1 mL S FRZ

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

14627  
*Serotonin Release Assay, Unfractionated Heparin*  
 Serum  
*Red-top (no gel); SST (red-top)*  
 1 mL  
 Room Temp: 24 Hours , Refrig: 48 Hours , Frozen: 6 Months  
 Ship frozen (Okay to thaw)  
 Set up: Sun-Thurs; Report available: Tues-Sat

---

**Serotonin, Bld**

Test Code: **SERWBz** CPT:84260  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 818X  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Special Container	1

818X  
*Serotonin, Blood*  
 Whole blood  
*Serotonin Kit (provided by Quest Diagnostics)*  
 4 mL  
 Room Temp: Frozen Only , Refrig: Frozen Only , Frozen: 42 Days  
 Ship frozen (Do not thaw)  
 Proper specimen collection, storage and shipment are critical for Serotonin whole blood analysis Strict adherence to the following specimen collection instructions will ensure the most meaningful results 1 Draw blood into the EDTA 72-mg Vacutainer tube 2 After drawing the blood, mix well and immediately transfer all blood to the enclosed container, which contains 35 mg of Ascorbic Acid 3 Mix well and freeze immediately 4 Ship frozen  
 Expiration date for Ascorbic Acid container is the same as the EDTA tube provided in the kit Patient should avoid food high in indoles: avocado, banana, tomato, plum, walnut, pineapple, and eggplant Patient should also avoid tobacco, tea and coffee three days prior to specimen collection

---

**Serotonin, Serum**

Test Code: **SEROz** CPT:84260  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 29851

Turn-around-time:

**Special Instructions:** Serum Separator Tube 2 mL F(FRZ) \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube Frozen	0.5

29851

Serotonin, Serum

Serum

Red-top (no gel); SST (red-top)

2 mL

Room Temp: Frozen Only , Refrig: Frozen Only , Frozen: 42 Days

Ship frozen (Do not thaw)

Spin and freeze serum below -20 c within 2 hours after

collection Patient should avoid food high in indoles: avocado, banana, tomato, plum, walnut, pineapple, and eggplant Patient should also avoid tobacco, tea and coffee three days prior to specimen collection

### Sex Hormone Binding Globulin

Test Code: **SHBGz** CPT:84270  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30740

Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

30740

Sex Hormone Binding Globulin

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 14 Days , Refrig: 14 Days , Frozen: 60 Days

Ship room temperature

### Sickle Cell Screen

Test Code: **SCSz** CPT:85660  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 825

Turn-around-time: Mon - Sun. Reports in 1-2 days.

**Special Instructions:** SCSz: 4(0.5) ml WB-RF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	1.5

#### COLLECTION NOTES:

**REJECTION CRITERIA:** EDTA lavender top is the only acceptable specimen

**LAB NOTES:** Maintain specimen at room temperature Do not centrifuge

**SPECIMEN STABILITY:** Room Temp: 7 days; Refrig: 14 days  
 Frozen: Unacceptable

**CLINICAL SIGNIFICANCE:** This test is not appropriate for patients less than 6 months old due to interference by Hemoglobin F In these cases, it is suggested that test code 35489 (Hemoglobinopathy Evaluation) be ordered (Test code: HEz)

**Sjogren's Antibody SS-A**

Test Code: *SSAGz* CPT:86235  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38568  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

38568  
*Sjogrens Antibody (SS-A)*  
 Serum  
*Red-top (no gel); SST (red-top)*  
 1 mL  
*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days*  
*Ship room temperature (Okay to thaw)*  
*Overnight fasting is preferred*

**Sjogren's Antibody SS-A, SS-B**

Test Code: *SSASSBz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7832  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

7832  
*Sjogrens Antibodies (SS-A, SS-B)*  
 Serum  
*Red-top (no gel); SST (red-top)*  
 1 mL  
*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days*  
*Ship room temperature (Okay to thaw)*  
*Overnight fasting is preferred*

**Sjogren's Antibody SS-B**

Test Code: *SSBGz* CPT:86235  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38569  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

38569  
*Sjogrens Antibody (SS-B)*  
 Serum  
*Red-top (no gel); SST (red-top)*  
 1 mL  
*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days*  
*Ship room temperature (Okay to thaw)*  
*Overnight fasting is preferred*

**Sm Antibody**

Test Code: **SMGABz** CPT:86235  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37923  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

37923

*Sm Antibody*

*Serum*

*Red-top (no gel); SST (red-top/glass); SST (red-top/plastic)*

*1 mL*

*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days*

*Ship room temperature (Okay to thaw)*

*Avoid hemolysis Overnight fasting is preferred*

---

### Sm RNP Antibody

Test Code: **SMRNPz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7448  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

7448

*Sm and Sm/RNP Antibodies*

*Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days*

*Ship room temperature (Okay to thaw)*

*Avoid hemolysis Overnight fasting is preferred*

---

### Sm/RNP Antibody

Test Code: **SMRNPaz** CPT:86235  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 38567  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

38567

*Sm/RNP Antibody*

*Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days*

*Ship room temperature (Okay to thaw)*

*Avoid hemolysis Overnight fasting is preferred*

---

### Sodium

Test Code: **NA** CPT:84295  
 Dept: Chemistry Prefix: C

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Sodium, Feces**

Test Code: *NASTLz* CPT:84302  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 8833  
 Turn-around-time:

Special Instructions: 10 mL LIQ STL FRZ \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Stool Frozen	3

8833

Sodium, Feces (13829)

Liquid stool

Plastic leak-proof container

10 mL

Room Temp: 48 Hours , Refrig: 14 Days , Frozen: 6 Months

Ship frozen (Do not thaw)

Submit frozen samples of liquid feces Keep refrigerated during collection Liquid stool is the only acceptable specimen for this test 10 mL ALIQUOT of 24 hr, 48 hr, or 72 hr liquid stool specimens are acceptable

**Sodium, Ur**

Test Code: *NAU* CPT:84300  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	0.5

**Sodium, Ur 24hr Quant**

Test Code: *NAU24* CPT:84300  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	1

**Soluble Transferrin Receptor**

Test Code: *TFRSz* CPT:84238  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 91031  
 Turn-around-time:

Special Instructions: 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

91031

*Soluble Transferrin Receptor*

*Serum*

*Red-top (no gel); SST (red-top); Sodium heparin (green-top);*

*Lithium heparin (green-top); EDTA (lavender-top)*

*1 mL*

*Room Temp: Not Established , Refrig: 7 Days , Frozen: 60 Days*

*Ship refrigerated*

**Somatostatin**

Test Code: **SOMAZ**

CPT:84307

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 34480

Turn-around-time:

**Special Instructions: 1.8 mL PL ASAP FRZ \***

Age (Y)

Container

Volume (mLs)

0-100

Lavender Ice

1.5

*34480*

*Somatostatin*

*Plasma*

*EDTA (lavender-top)*

*18 mL*

*Room Temp: 8 Hours , Refrig: 8 Hours , Frozen: 28 Days*

*Ship frozen (Do not thaw)*

*Draw in a pre-chilled lavender-top tube Separate and freeze*

*plasma immediately Do not thaw*

**Sperm Antibody, IgA IgG**

Test Code: **SPERAGz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 19492X

Turn-around-time:

**Special Instructions: 1 mL S REF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

*19492X*

*Sperm Antibody (IgA, IgG)*

*Serum*

*Red-top (no gel); SST (red-top/glass); SST (red-top/plastic)*

*1 mL*

*Room Temp: 24 Hours , Refrig: 14 Days , Frozen: 14 Days*

*Ship refrigerated (Okay to thaw)*

**Stone Analysis**

Test Code: **STONEAZ**

CPT:82365

Dept: Reference Special

Prefix: ZS

Quest Diagnostics Nichols Inst 30260X

Turn-around-time:

**Special Instructions: STN or KIDY STN or FILT MAT AMB \***

Age (Y)

Container

Volume (mLs)

0-100

Sterile Cup (MIC)

1

*30260X*

*Stone Analysis (4161)*

*Stone or Dry kidney stone or Filtered material*

*Sterile screw cap container*  
*Room Temp: 12 Months , Refrig: 12 Months , Frozen: 12 Months*  
*Ship room temperature*  
*Stones originating from sources not related to the kidney should be air-dried, then placed in a plastic tube or a urine collection cup Do not use tape Minute specimens may be placed in a gelatin capsule Ship ambient*

---

**Stone Risk Diagnostic Profile**

Test Code: **STONEz** CPT:  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 442Z  
 Turn-around-time:

**Special Instructions:** STONEz: 24hr collection kit, 2 white vials (ref)\*

Age (Y)	Container	Volume (mLs)
0-100	24 Hour Urine Container	1

442Z  
*StoneRisk(R) Diagnostic Profile (5510)*  
*Urine and Acid urine*  
*See collection instructions; See collection instructions*  
*60 mL and 60 mL*  
*Room Temp: 10 Days , Refrig: 10 Days , Frozen: Unacceptable*  
*Ship room temperature and Ship room temperature*  
*Use only Quest 24-hour Urine Collection Kits specific for renal stone formation diagnosis Follow instructions in the kit*  
 1) Upon completion of 24-hour collection in the large orange collection container, tighten the cap on the container and mix contents in the container vigorously for one minute A good mix will ensure accurate test results  
 2) Carefully fill the two plastic white vials with urine collected in the large orange container The two white vials must be filled within two to four hours of completion of 24-hour collection Fill and cap vials one at a time Cap both vials tightly, write patients name on each vial and place in zip-lock bags provided (do not remove absorbent sheets)  
 3) Complete the patient information section  
 4) Place specimen in mail-back box and mail to the laboratory DO NOT MAIL LARGE ORANGE COLLECTION CONTAINER  
*For High Urine Output: Patient with a high urine output (greater than 38L) will require more than one large container Collect urine in the first container until it is 3/4 full and then begin filling the second container to complete the 24-hour collection Carefully follow steps 1-4 for each jug and mark one as box 1 of 2 the other box 2 of 2*  
*Note: Urine must only be collected and stored in the large orange collection container Do not remove sponge from the orange collection container Do not remove wool from white container Do not collect the first urination at the beginning of 24-hour collection During collection process store large orange container in a cool location*

---

**Stool for WBCs**

Test Code: **STOOLWBC** CPT:87205  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

Age (Y)
---------



0-100

### Strep Group A Perianal Culture

Test Code: **STGAC** CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

Age (Y)  
 0-100

### Strep Group A Screen, Rapid

Test Code: **STGASCRN**  
 Dept: LAB Module Microbiology Tests Prefix: LM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Swab	1

### Strep Pneumo Ag, Urine

Test Code: **SPAGUZ** CPT:86403  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 16786  
 Turn-around-time:

**Special Instructions:** SPAGUZ: 3(0.5) mL U-Rf

<u>Age (Y)</u>	<u>Container</u>
0-100	Urine Sterile Cup

16786

*Streptococcus pneumoniae Antigen, Urine*

*SPECIMEN : Random urine*

*VOLUME : Standard: 3 mL - Minimum: 05 mL \*\**

*CONTAINER: Sterile, plastic, leakproof container*

*SHIPTEMP: Ship refrigerated*

*STABILITY: Room temperature: 24 Hours*

*Refrigerated: 14 Days*

*Frozen: 14 Days*

*Note: Alternate specimen types available - choose ST option*

*INSTRUCTION: No information available*

*METHOD : Immunochromatography*

*SCHEDULE : SETUP DAY/TIME\*\*\* REPORT DAY/TIME\*\*\* Mon-Sun Report available: 1-2 days*

*ADDTL TEMP : Shipping room temp unacceptable; Shipping frozen*

*acceptable*

### Streptolysin-O Antibody

Test Code: **ASOABz** CPT:86060  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 265  
 Turn-around-time:

**Special Instructions:** 1 mL S ASAP REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

265X  
 Antistreptolysin-O  
 Serum  
 Red-top (no gel); SST (red-top); EDTA (lavender-top); Sodium heparin (green-top); Lithium heparin (green-top)  
 1 mL  
 Room Temp: 72 Hours , Refrig: 7 Days , Frozen: 30 Days  
 Ship Room Temp (Okay to thaw)  
 Avoid hemolysis Serum should be separated immediately and shipped refrigerated Avoid freezing and thawing Overnight fasting is preferred

---

**Striated Muscle Ab**

Test Code: **STRMAz** CPT:86255  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 266  
 Turn-around-time:

**Special Instructions:** 0.5 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

CPT: 86255  
 266  
 Striated Muscle Antibody with Reflex to Titer  
 Serum  
 Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)  
 05 mL  
 Room Temp: 4 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature (Okay to thaw)

---

**Strongyloides, IgG**

Test Code: **STRABGz** CPT:86682  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34309  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

**Surgical Culture w GS**

Test Code: **SURG** CPT:  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

<u>Age (Y)</u>
0-100

**T. pallidum Ab, (TP-PA)**

Test Code: **TPPAz** CPT:86780  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 653  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

653  
*Treponema pallidum Ab, Particle Agglutination*  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 7 Days , Refrig: 7 Days , Frozen: 30 Days  
 Ship room temperature

---

**T. whipplei, by PCR Qual**

Test Code: *WHIPQLz* CPT:87798  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 11352X  
 Turn-around-time:  
**Special Instructions:** 3 mm x3 FRSH UNFIXED TIS REF  

<u>Age (Y)</u>	<u>Container</u>
0-100	Special Container

11352X  
*Tropheryma whipplei DNA, Qualitative Real-Time PCR (46500)*  
 Fresh (unfixed) tissue  
 3 mm x3  
 Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days  
 Ship frozen (Okay to thaw)

---

**T3, Free**

Test Code: *T3Fz* CPT:84481  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34429  
 Turn-around-time:  
**Special Instructions:** 1 mL S REF  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

34429  
*T3, Free*  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 7 Days , Refrig: 7 Days , Frozen: 28 Days  
 Ship room temperature (Okay to thaw)

---

**T3, Reverse**

Test Code: *T3REVz* CPT:84482  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 90963  
 Turn-around-time:  
**Special Instructions:** 0.5 mL S ASAP REF \*  

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

CPT: 84482

90963

T3, Reverse, LCMSMS

Serum

Red-top (no gel); SST (red-top); EDTA (lavender-top); Sodium heparin (green-top)

0.5 mL

Room Temp: 7 Days, Refrig: 7 Days, Frozen: 30 Days

Ship room temperature (Okay to thaw)

Allow blood to clot at room temperature for 30 minutes

Centrifuge and separate the serum from the cells immediately

Alternatively, collect blood in a gel barrier tube, allow to clot at room temperature, centrifuge, and remove from gel within 24 hours

### T3, Total

Test Code: **T3Tz**

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 859

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	SST	1

Allow samples to clot adequately before centrifugation

### T4 (Thyroxine)

Test Code: **T4**

CPT:84436

Dept: Chemistry

Prefix: C

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

### T4, Free

Test Code: **FT4**

CPT:84439

Dept: Chemistry

Prefix: C

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

CPT: 84439

LAB NOTES: *High doses of Biotin may interfere with assay. See Notification, page 12.*

### T4, Tot Free by Direct Dialy

Test Code: **T4FDDz**

CPT:

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 36725

Turn-around-time:

Special Instructions: **2 mL S REF \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

36725  
 T4, Free, Direct Dialysis and T4, Total  
 Serum  
 Red-top (no gel); SST (red-top)  
 2 mL  
 Room Temp: 7 Days , Refrig: 7 Days , Frozen: 28 Days  
 Ship room temperature (Okay to thaw)  
 Fasting preferred

---

**Tacrolimus, (Prograf)**

Test Code: **TACRO** CPT:80197  
 Dept: Chemistry Special Prefix: CS  
 Turn-around-time:

Age (Y)	Container	Volume (mLs)
0-100	Lavender	1.5

CPT: 80197

---

**Tay-Sachs Disease Mutation Ana**

Test Code: **TAYSz** CPT:81255  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 90903  
 Turn-around-time:

Special Instructions: 4 mL WB ASAP AMB \*

Age (Y)	Container	Volume (mLs)
0-100	Lavender Ambient	3

90903

Tay-Sachs Disease Mutation Analysis  
 Whole blood  
 EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B (yellow-top); EDTA (royal blue-top); Sodium heparin (green-top); Lithium heparin (green-top); ; T-25 Flask; ; ; Tissue culture media  
 4 mL  
 Room Temp: 8 Days , Refrig: 8 Days , Frozen: Unacceptable  
 Ship room temperature  
 Whole blood: Normal phlebotomy procedure Specimen stability is crucial Store and ship ambient immediately Do not freeze For prenatal diagnosis with a fetal specimen: 1) parents must be documented carriers of one of the mutations tested; 2) maternal blood or DNA must be available; 3) contact the laboratory genetic counselor before submission Amniotic fluid: Normal collection procedure Specimen stability is crucial Store and ship ambient immediately Do not refrigerate or freeze Amniocyte culture: Sterile T25 flask, filled with culture medium Specimen stability is crucial Store and ship ambient immediately Do not refrigerate or freeze Dissected chorionic villus (CVS) biopsy: 10-20 mg dissected chorionic villi collected in sterile tube filled with sterile culture media Specimen stability is crucial Store and ship ambient immediately Do not refrigerate or freeze

---

**Testosterone, Free/Bio/Total**

Test Code: **TTz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 14966

Turn-around-time:

Special Instructions: 2.8 mL S REF \*

Age (Y)

0-100

Container

Red (No Gel)

Volume (mLs)

5

14966

Testosterone, Free, Bioavailable, and Total, LC/MS/MS

Serum

Red-top (no gel)

28 mL

Room Temp: 7 Days, Refrig: 7 Days, Frozen: 60 Days

Ship refrigerated (Okay to thaw)

Collect blood in a red-top tube (no gel) Serum separator tubes are unacceptable

### Testosterone, Free & Total

Test Code: TESTOz

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36170

Turn-around-time:

Age (Y)

0-100

Container

Red top

Volume (mLs)

1

Collect blood in a red-top tube (no gel) Serum separator tubes are unacceptable

### Testosterone, Total by LC/MC

Test Code: TESTTz

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 15983

Turn-around-time:

Age (Y)

0-100

Container

Red Top

Volume (mLs)

1

Collect blood in a red-top tube (no gel). Serum separator tubes appropriate for use on pediatric and female patients

### Testosterone, Total Males

Test Code: TESTMFz

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 19958

Turn-around-time:

Age (Y)

0-100

Container

SST

Volume (mLs)

1

NOTE: When requesting Total Testosterone for pediatric and female patients, please refer to Testosterone, Total, LC/MS/MS, test code 15983.

### Tetanus Antitox & Diphtheria

Test Code: TETDTGz CPT:

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34042

Turn-around-time:

Special Instructions: 2 mL S REF

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

1

34042

*Diphtheria and Tetanus Antitoxoids*

*Serum*

*Red-top (no gel); SST (red-top)*

*2 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship refrigerated*

**Tetanus Antitoxoid**

Test Code: **TETABz**

CPT:86774

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 4862

Turn-around-time:

Special Instructions: 1 mL S REF

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

0.5

*CPT: 86774*

*4862*

*Tetanus Antitoxoid*

*Serum*

*Red-top (no gel); SST (red-top)*

*1 mL*

*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days*

*Ship refrigerated*

**Theophylline Level**

Test Code: **THEOz**

CPT:80198

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 878

Turn-around-time:

Special Instructions: 1 mL S REF \*

Age (Y)

0-100

Container

Red (No Gel)

Volume (mLs)

1

878

*Theophylline (6311)*

*Serum*

*Red-top (no gel); No additive (royal blue-top); EDTA (royal blue-top); Sodium heparin (green-top); EDTA (lavender-top); Lithium heparin (green-top); Fluoride/Oxalate (gray-top); Sodium heparin (royal blue-top); Sodium heparin lead-free (tan-top)*

*1 mL*

*Room Temp: 6 Days , Refrig: 7 Days , Frozen: 90 Days*

*Ship room temp*

*Collect 1 mL serum from a red-top tube (no gel) (preferred)*

*Serum separator tubes (SS) are not acceptable Place in a sterile, screw-capped vial and ship room temperature Frozen samples are acceptable Collect just prior to next dose*

**Therapeutic Apheresis**

Test Code: *THERP* CPT:  
 Dept: Blood Bank Ref/Misc Testing Prefix: BZ  
 Turn-around-time: Results Pending  
Age (Y)  
 0-100

**ThinPrep Pap**

Test Code: *TPPAP* CPT:  
 Dept: PTH Prefix: P  
 Turn-around-time:  
Age (Y) Container  
 0-100 PTH

*4/3/13- SRS - built for ordering a pathology specimen in lab*

**ThinPrep Pap W/ CT/NG DNA SDA**

Test Code: *TPPAPCT* CPT:  
 Dept: PTH Prefix: P  
 Turn-around-time:  
Age (Y) Container  
 0-100 PTH

*4/3/13- SRS - built for ordering a pathology specimen in lab*

**ThinPrep Pap W/ HPV DNA**

Test Code: *TPPAPHPV* CPT:  
 Dept: PTH Prefix: P  
 Turn-around-time:  
Age (Y) Container  
 0-100 PTH

*4/3/13- SRS - built for ordering a pathology specimen in lab*

**ThinPrep Pap W/RFL HPV DNA**

Test Code: *TPRHPV* CPT:  
 Dept: PTH Prefix: P  
 Turn-around-time:  
Age (Y) Container  
 0-100 PTH

*4/3/13- SRS - built for ordering a pathology specimen in lab*

**ThnPrPapW/HPV DNA CT/NG DNA SDA**

Test Code: *TPHPVCT* CPT:  
 Dept: PTH Prefix: P  
 Turn-around-time:  
Age (Y) Container



0-100

PTH

*4/3/13- SRS - built for ordering a pathology specimen in lab*

---

**ThnPrPapW/RFL HPV/CT/NG,DNASDA**

Test Code: *TPRHPVCT* CPT:

Dept: PTH Prefix: P

Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	PTH

*4/3/13- SRS - built for ordering a pathology specimen in lab*

---

**Thyr Peroxidase,Thyroglob Ab**

Test Code: *THPGABz* CPT:

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 7260

Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3

*7260  
 Thyroid Peroxidase and Thyroglobulin Antibodies  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 4 Days , Refrig: 14 Days , Frozen: 1 Year  
 Ship room temperature (Okay to thaw)*

---

**Thyroglobulin Panel**

Test Code: *THGPANz* CPT:

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30278

Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	1

*CPT: 84432 ; 86800  
 30278  
 Thyroglobulin Panel  
 Serum  
 Red-top (no gel); SST (red-top)  
 2 mL (min 1 mL)  
 Room Temp: 14 Days , Refrig: 14 Days , Frozen: 60 Days  
 Ship room temperature (Okay to thaw)*

---

**Thyroglobulin Antibody**

Test Code: *THABz* CPT:86800

Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 267

Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

267  
 Thyroglobulin Antibody  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 14 Days , Refrig: 14 Days , Frozen: 60 Days  
 Ship room temperature (Okay to thaw)

---

**Thyroid Stimul Horm, 3rd Gen**

Test Code: *TSH* CPT:84443  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

CPT: 84443  
 LAB NOTES: *High doses of Biotin may interfere with assay. See Notification, page 12.*

---

**Thyroid Stimulating Imm**

Test Code: *TSIz* CPT:84445  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30551  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

CPT: 84445  
 30551  
 TSI (Thyroid Stimulating Immunoglobulin)  
 Serum  
 Red-top (no gel); SST (red-top); Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: Unacceptable , Refrig: 21 Days , Frozen: 60 Days  
 Ship refrigerated (Okay to thaw)  
 Specimen Requirements:  
 1 mL (0.2 mL minimum) serum  
 No other acceptable specimens

---

**Thyrotropin-Binding Inhibitor**

Test Code: *TBIz* CPT:83519  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 5738  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

5738

TBII (Thyrotropin-Binding Inhibitory Immunoglobulin)

Serum

Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)

1 mL

Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days

Ship refrigerated (Okay to thaw)

### Thyroxine Binding Globulin

Test Code: **TBGz**

CPT:84442

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 870X

Turn-around-time:

**Special Instructions: 1 mL S REF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

2

CPT: 84442

870X

TBG (Thyroxine Binding Globulin)

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 7 Days , Refrig: 7 Days , Frozen: 28 Days

Ship room temperature (Okay to thaw)

### Tick ID w/Rflx to Lyme Dis DNA

Test Code: **TICKz**

CPT:8716890

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 90558

Turn-around-time:

**Special Instructions: TICKz: Sterile cup w/70% ethanol to cover, paraffin wrap**

Age (Y)

Container

0-100

Sterile Cup (MIC)

90558

Tick ID w/Rflx to Lyme Disease DNA, Deer Tick

Deer tick in 70% ethanol

Room Temp: 14 days , Refrig: 14 Days , Frozen: unacceptable

Ship room temperature

No alternate specimen type available

Rejection criteria: Specimen other than listed Frozen samples

Dried samples Ticks received in any other preservative other than 70% ethanol not acceptable

ADDTL TEMP : Shipping refrigerated acceptable; Shipping frozen unacceptable

USE: Lyme disease borreliae (*Borrelia burgdorferi*) are transmitted to humans most commonly by *Ixodes* ticks During a blood meal, *B burgdorferi* migrate to the salivary glands where transmission to humans occurs, generally after at least 36 hours of attachment Ticks with potential of carrying *B burgdorferi* may be tested by molecular methods to assess the risk of transmission

### Tissue Pathology

Test Code: **PATHOV**  
 Dept: PTH Prefix: P  
 Turn-around-time:

CPT:

<u>Age (Y)</u>	<u>Container</u>
0-100	PTH

*4/3/13- SRS - built for ordering a pathology specimen in lab*

---

**Tissue Transglutaminase, IgA**

Test Code: **TTGABz** CPT:83516  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8821  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*CPT: 83516  
 8821*

*Tissue Transglutaminase Antibody (IgA)  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL*

*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
 Ship room temperature*

*Grossly hemolyzed specimens are unacceptable Avoid lipemia*

---

**Tissue Transglutaminase, IgG**

Test Code: **TTGGz** CPT:83516  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 11070  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*11070*

*Tissue Transglutaminase Antibody (IgG)  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL*

*Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
 Ship room temperature (Okay to thaw)*

---

**Tobramycin, Peak**

Test Code: **TOBRP** CPT:80200  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

*IV administration only - specimen should be collected 30 minutes  
 after infusion of medication is complete*

---

**Tobramycin, Random**

Test Code: **TOBR** CPT:80200  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Tobramycin, Trough**

Test Code: **TOBRT** CPT:80200  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

*Specimen should be collected 5 - 30 minutes prior to medication administration*

**Topiramate**

Test Code: **TOPIz** CPT:80201  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30965  
 Turn-around-time:

**Special Instructions:** 1.0 mL; 1.0 mL S or PL REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1.5

*30965  
 Topiramate  
 Serum; Plasma  
 Red-top (no gel); No additive (dark blue-top); Lithium heparin (green-top); Sodium heparin (green-top); Sodium heparin lead-free (tan-top)  
 10 mL; 10 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature; Ship room temperature  
 Draw at peak (2-4 hours after dose) or trough (0.5-1 hour before dose) at steady state Do not use gel barrier/Serum Separator tubes*

**Torch Panel Acute**

Test Code: **TORGMz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 6444  
 Turn-around-time:

**Special Instructions:** 3 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

*6444  
 Torch Panel, Acute  
 Serum  
 Red-top (no gel); SST (red-top)  
 2 mL*

Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
 Ship room temperature

---

**Total Protein**

Test Code: *TP* CPT:84155  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

---

**Total Protein, Body Fl**

Test Code: *PROFL* CPT:84157  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

---

**Total Protein, CSF**

Test Code: *PROCSF* CPT:84157  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

Special Instructions: **NQML: TPCSF: CSF Sterile #'d tubes, use tube #1**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	CSF Tube (MIC)	1

---

**Total Protein, Pericardial Fl**

Test Code: *TPPCF* CPT:84157  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

---

**Total Protein, Peritoneal Fl**

Test Code: *TPPTF* CPT:84157  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	1

---

**Total Protein, Pleural Fl**

Test Code: *PROTPLFL* CPT:  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	GRN-BLK LiHep NO Gel	1

**Total Protein, Ur 24hr Quant**

Test Code: *PROTU24* CPT:84156  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	1

**Total Protein, Urine**

Test Code: *PROTU* CPT:84156  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	0.5

**Toxocara Ab, Ser by ELISA**

Test Code: *TOXABz* CPT:86682  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34304X  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	3.5

*34304X  
 Toxocara Antibody, ELISA (serum)(40945)  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship refrigerated or frozen*

**Toxoplasma Ab, IgG**

Test Code: *TOXABGz* CPT:86777  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 3679  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

*3679  
 Toxoplasma Antibody (IgG)  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days*

*Ship room temperature*

---

**Toxoplasma Ab, IgG,M**

Test Code: **TOXPz** CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8636  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

8636  
*Toxoplasma Antibodies (IgG,IgM)*  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
*Ship room temperature*

---

**Toxoplasma Ab, IgM**

Test Code: **TOXABMz** CPT:86778  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37207  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

37207  
*Toxoplasma Antibody (IgM)*  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
*Ship room temperature*

---

**TPMT Genotype**

Test Code: **TPMTGEz** CPT:81401  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 37742Z  
 Turn-around-time:

**Special Instructions:** 5 mL WB ASAP REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	3

37742Z  
*TPMT Genotype*  
 Whole blood  
 EDTA (lavender-top); EDTA (royal blue-top); Sodium heparin  
 (green-top); ACD solution B (yellow-top); ACD solution A  
 (yellow-top); Lithium heparin (green-top)  
 5 mL  
 Room Temp: 8 Days , Refrig: 8 Days , Frozen: Unacceptable  
*Ship room temperature*  
 Whole blood: Normal phlebotomy procedure Specimen stability is  
 crucial Store and ship ambient immediately Do not freeze



**Transferrin**

Test Code: **TRANS** CPT:84466  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Trichinella, IgG**

Test Code: **TABGz** CPT:86784  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34321X  
 Turn-around-time:  
**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	0.5

34321X  
 Trichinella IgG Antibody, ELISA (40990)  
 Serum  
 Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)  
 1 mL  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature  
 Ship refrigerated or frozen

**Trichomonas vaginalis PCR**

Test Code: **TRICPCR**  
 Dept: LAB Module Microbiology Tests Prefix: LM  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Special	
0-100	First Morning Urine	30
0-100	Aptima Swab	
0-100	Thin Prep Preservcyt	4

First morning "dirty" catch Urine or no void within 4 hours

**Triglyceride**

Test Code: **TRIG** CPT:84478  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Triglyceride, Body FL**

Test Code: **TRIGFL** CPT:84478  
 Dept: Chemistry Fluids Prefix: CF  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Special Container	1

### Troponin I

Test Code: **TROPI** CPT:84484  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

Age (Y)	Container	Volume (mLs)
0-100	Green Li Heparin PST	1

**LAB NOTES:** *High doses of Biotin may interfere with assay. See Notification, page 12.*

### Trypsin

Test Code: **TRYSz** CPT:83519  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 30329X  
 Turn-around-time:

**Special Instructions:** 1 mL S RT

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	2

*30329X  
 Trypsin  
 Serum  
 Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)  
 1 mL  
 Rejection Criteria: Grossly lipemic  
 Room Temp: 7 Days , Refrig: 7 Days , Frozen: 28 Days  
 Ship room temperature (Okay to thaw)*

### Tryptase

Test Code: **TRYPz** CPT:83520  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 34484  
 Turn-around-time:

**Special Instructions:** 0.5 mL S ASAP REF \*

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel)	1.5

*CPT: 83520  
 34484  
 Tryptase  
 Serum  
 Red-top (no gel); No additive (royal blue-top); EDTA  
 (lavender-top)  
 1 mL (0.5 mL minimum)  
 Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days  
 Ship refrigerated  
 Rejection Criteria: hemolysis; postmortem sample; plasma  
 Separate serum from cells as soon as possible*

### Type and Screen

Test Code: **TS** CPT:  
 Dept: Blood Bank Testing Prefix: BB  
 Turn-around-time: Results Pending  
Age (Y)  
 0-100

**Ur Streptococcus pneumoniae Ag**

Test Code: **SPNEUMAGU** CPT:  
 Dept: Immunology Prefix: IM  
 Turn-around-time:  
**Special Instructions: Room Temp <24 hours or Refrigerate up to 14 days.**

Age (Y) Container  
 0-100 Urine Sterile Cup

**Urea Nitrogen Clearance 24 Hr**

Test Code: **UREACL** CPT:84545  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

Age (Y) Container  
 0-100 24 Hour Urine Container

**Urea Nitrogen, Bld**

Test Code: **BUN** CPT:84520  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

Age (Y) Container Volume (mLs)  
 0-100 Green Li Heparin PST 0.5

**Urea Nitrogen, Ur**

Test Code: **UREAU** CPT:84540  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

Age (Y) Container Volume (mLs)  
 0-100 Urine Sterile Cup 0.5

**Urea Nitrogen, Ur 24 hr Quant**

Test Code: **UREANITU24** CPT:84540  
 Dept: Chemistry Urinalysis Prefix: CU  
 Turn-around-time:

Age (Y) Container Volume (mLs)  
 0-100 24 Hour Urine Container 1

**Uric Acid**

Test Code: *URICA* CPT:84550  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

*CPT: 84550*  
*QUEST#905*

**Uric Acid, Synovial Fl**

Test Code: *URACFz* CPT:84560  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 4403  
 Turn-around-time:

**Special Instructions:** 1 mL SYNOV FLD REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Sterile Vial/Tube	2

*4403*  
*Uric Acid, Synovial Fluid*  
*Synovial fluid*  
*Sterile transport tube*  
*1 mL*  
*Room Temp: 7 Days , Refrig: 14 Days , Frozen: 28 Days*  
*Ship refrigerated (Okay to thaw)*

**Urine Drug Screen**

Test Code: *UDS*  
 Dept: Chemistry Urine Prefix: CU  
 Turn-around-time: 1 hour

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Container	10

Urine drug testing is performed to detect the use of prescription medications and illegal substances of concern for the purpose of medical treatment. This screening assay may cross-react with some substances and produce false-positive results and is not able to detect some substances producing false negative results. Therefore clinical correlation to assess the need for confirmatory testing is recommended. Some seizure medications are known to cross-react with the PCP assay. Oxycontin use is often undetected (false negative) on the opiate screening assay.

**Valproic Acid, (Depakene)**

Test Code: *VALP* CPT:80164  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Vancomycin, Peak**

Test Code: **VANCP** CPT:80202  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

*IV administration only - specimen should be collected 30 minutes after infusion of medication is complete*

**Vancomycin, Random**

Test Code: **VANC** CPT:80202  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

**Vancomycin, Trough**

Test Code: **VANCT** CPT:80202  
 Dept: Chemistry Prefix: C  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Green Li Heparin PST	0.5

*Specimen should be collected 5 - 30 minutes prior to medication administration*

**Varicella-Zoster Ab, IgM EIA**

Test Code: **VZVIGMz** CPT:86787  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 8683  
 Turn-around-time:

**Special Instructions:** 1 mL S REF

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Serum Separator Tube	2

*CPT: 86787  
 8683  
 Varicella-Zoster Virus Antibody (IgM)  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
 Ship room temperature*

**Varicella-Zoster Ag, by DFA**

Test Code: **VZVAGz** CPT:87290  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 3650  
 Turn-around-time:

**Special Instructions:** Lesion Swab Kit provided by Lab

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Universal Transport Media	1

*COLLECTION NOTES: To maintain optimum viability, place swab or fluid into VCM equal volumes of fluid and VCM) or equivalent and transport the specimen to the laboratory as soon as possible*

*REJECTION CRITERIA: Room temp or frozen Storage or transport at -20 degrees C is not acceptable*

*LAB NOTES: Raw (unpreserved) samples should be refrigerated only*

**Varicella-Zoster DNA, PCR**

Test Code: **VZVPCRz** CPT:87798  
 Dept: Reference Microbiology Prefix: ZM Quest Diagnostics Nichols Inst 34052X  
 Turn-around-time:

**Special Instructions: VZVPCRz: 1(0.3)ml WB-Rf**

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Lavender	3

*ALTERNATE CONTAINERS: Yellow-top; Swabs (dry or in M4 Medium) are acceptable and include eye swab, nasopharyngeal swab, throat swab, and lesion CSF in sterile container*

*COLLECTION NOTES:*

*REJECTION CRITERIA: Frozen whole blood is not acceptable*

*LAB NOTES:*

*SPECIMEN STABILITY: Room temp: 48hrs; Refrig: 8 days; CSF only frozen 30 days*

**Varicella-Zoster DNA, PCR Quan**

Test Code: **VZVPz** CPT:8779990  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 19493  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Special Container	0.5

19493

*Varicella Zoster Virus (VZV) DNA, Quantitative Real-Time PCR (45200)*

*CSF; Bronchial lavage/wash; Swab; Whole blood*

*Sterile screw cap container; Sterile screw cap container; Multi Microbe Media (M4); V-C-M medium (green-cap) tube or equivalent (UTM); EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B (yellow-top)*

*0.7 mL; 0.7 mL; ; 0.7 mL*

*Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days ;*

*Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days ;*

*Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days ;*

*Room Temp: 48 Hours , Refrig: 7 Days , Frozen: Unacceptable*

*Ship refrigerated (Okay to thaw)*

**Vasoactive Intest Peptide**

Test Code: **VIPz** CPT:84586  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 920

Turn-around-time:

Special Instructions: 3 mL PL ASAP FRZ \*

Age (Y)

0-100

Container

Lavender Frozen

Volume (mLs)

1.5

920

Vasoactive Intestinal Polypeptide (VIP)

Plasma

EDTA (lavender-top); EDTA/Aprotinin

3 mL

Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: 90 Days

Ship frozen

REJECT CRIT: Gross hemolysis; Gross lipemia

FASTING REQUIRED (8 hours), Spin down, freeze 1 mL of EDTA plasma

immediately in plastic vial and send frozen CAUTIONS: This test

should not be requested on patients who have recently received

radioactive material (radioisotopes) therapeutically or

diagnostically, because of potential assay interference A

recommended time period before collection cannot be made because

it will depend on the isotope administered, the dose given and

the clearance rate in the individual patient Specimens will be

screened for radioactivity prior to analysis Radioactive samples

received in the laboratory will be held and assayed after the

radioactivity has sufficiently decayed This will result in a

test delay

**VDRL, CSF**

Test Code: **VDRLCSFz**

CPT:86592

Dept: Reference Fluid

Prefix: ZF

Quest Diagnostics Nichols Inst

4128

Turn-around-time:

Special Instructions: 1 mL CSF REF

Age (Y)

0-100

Container

CSF Tube (MIC)

Volume (mLs)

0.299999999999

999999

CPT: 86592

4128

VDRL, CSF

CSF

Sterile screw cap container

1 mL

Room Temp: 4 Days , Refrig: 14 Days , Frozen: 6 Months

Ship refrigerated

**VGCC Antibody Assay**

Test Code: **VGCCz**

CPT:83519

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst

34057

Turn-around-time:

Special Instructions: 1 mL S REF

Age (Y)

0-100

Container

Serum Separator Tube

Volume (mLs)

1

34057

*Voltage-Gated Calcium Channel (VGCC) Antibody Assay*

Serum

Red-top (no gel); SST (red-top)

1 mL

Room Temp: 24 Hours , Refrig: 7 Days , Frozen: 35 Days

Ship refrigerated (Okay to thaw)

**Viscosity, Ser**

Test Code: **VISCz**

CPT:85810

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 918

Turn-around-time:

**Special Instructions: 2 mL S REF**

Age (Y)

Container

Volume (mLs)

0-100

Serum Separator Tube

0.5

918

*Viscosity, Serum*

Serum

Red-top (no gel); SST (red-top/glass); SST (red-top/plastic)

2 mL

Room Temp: 7 Days , Refrig: 14 Days , Frozen: 6 Months

Ship room temperature (Okay to thaw)

**Vitamin A (Retinol)**

Test Code: **VITAz**

CPT:84590

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 921

Turn-around-time:

**Special Instructions: 2 mL S PROT LIGHT REF \***

Age (Y)

Container

Volume (mLs)

0-100

Red Prot-Light

2

CPT: 84590

921

*Vitamin A (Retinol)*

Serum

Red-top (no gel); SST (red-top/glass); SST (red-top/plastic)

2 mL

Room Temp: 24 Hours , Refrig: 7 Days , Frozen: 28 days

Ship refrigerated (Okay to thaw)

Send serum in an amber tube If amber tube is not available, wrap tube in aluminum foil to protect from light Overnight fasting is preferred

**Vitamin B1 Thiamine, Bld**

Test Code: **VITB1z**

CPT:84425

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 90353

Turn-around-time:

**Special Instructions: 2 mL PL PROT LIGHT ASAP FRZ \***

Age (Y)

Container

Volume (mLs)

0-100

Lavender WB Frzn Prot-Light

3

90353

*Vitamin B1 (Thiamine), LC/MS/MS*



**Plasma**

EDTA (lavender-top); Red-top (no gel)

2 mL

Room Temp: 8 Hours , Refrig: 48 Hours , Frozen: 35 Days

Ship frozen (Do not thaw)

Preferred: 2 mL (1 mL minimum) frozen plasma collected in an EDTA (lavender-top) tube protected from light

Reject Criteria: Received room temperature; received refrigerated; hemolysis; lipemia

Protect from light

**Plasma :**

Collect blood in a Lavender top tube Remove plasma within 4 hours of collection and transfer to a light protected pour off tube If separation of cells cant be performed immediately after collection, keep the whole blood refrigerated and protected from light The separation of cells must be completed within 4 hours of collection Separate cells by centrifugation at 2-8 C for 8-10 minutes Transfer plasma to amber tube to protect from light and freeze tube immediately Alternately, neutral colored tubes can be used if wrapped in aluminum foil Ship frozen tubes at -10 to -30 C

**Vitamin B1 Thiamine, Bld**

Test Code: **VB1Wz**

CPT:84425

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 5042

Turn-around-time:

**Special Instructions: Lavender WB Frzn Prot-Light 2 mL F(FRZ) \***

Age (Y)

Container

Volume (mLs)

0-100

Lavender WB Frzn Prot-Light

3

5042

Vitamin B1 Thiamine, Bld

Whole Blood

2 mL

Room temperature: 72 Hours Refrig: 5 Days Frozen: 35 Days

Ship frozen

REJECT CRIT: Received room temp and not protected from light;

Received refrigerated and not protected from light

Protect from light Transfer whole blood to amber

plastic transport tube If amber tube is not available, wrap tube

in aluminum foil to protect from light Freeze immediately

Overnight fasting is required

**Vitamin B12 Level**

Test Code: **B12**

CPT:82607

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

Container

Volume (mLs)

0-100

Green Li Heparin PST

0.5

LAB NOTES: High doses of Biotin may interfere with assay. See Notification, page 12.

**Vitamin B2 Riboflavin, Bld**

Test Code: **VB2z** CPT:84252  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36399  
 Turn-around-time:

**Special Instructions:** 2 mL PL PROT LIGHT FRZ \*

Age (Y)	Container	Volume (mLs)
0-100	Lavender WB Frzn Prot-Light	3

36399

Vitamin B2 (Riboflavin), Plasma

Plasma

EDTA (lavender-top)

2 mL

Room Temp: 4 Hours , Refrig: 24 Hours , Frozen: 30 Days

Ship frozen (Do not thaw)

Patient Preparation:

Overnight fasting is required Avoidance of vitamin supplements

for 24 hours prior to collection is preferred

Pour plasma into an amber transport tube (preferred) or transport

tube wrapped in aluminum foil to protect from light

### Vitamin B3

Test Code: **VITB3z** CPT:84591  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 91029  
 Turn-around-time:

**Special Instructions:** 2 mL S FRZ \*

Age (Y)	Container	Volume (mLs)
0-100	Red (No Gel) Frozen	3

91029

Vitamin B3

Serum

Red-top (no gel); EDTA (lavender-top)

2 mL

Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: 30 Days

Ship frozen (Do not thaw)

Separate serum or plasma from cells and submit in plastic

screw-cap vial

### Vitamin B6, Plasma

Test Code: **VB6Pz** CPT:84207  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 926  
 Turn-around-time:

**Special Instructions:** 1 mL PL PROT LIGHT ASAP FRZ \*

Age (Y)	Container	Volume (mLs)
0-100	Lavender Prot-Light	2

926

Vitamin B6, Plasma

Plasma

EDTA (lavender-top)

1 mL

Room Temp: 6 Hours , Refrig: 12 Hours , Frozen: 6 Days , -70

degrees Celsius: 42 days

*Ship frozen (Do not thaw)*

*Reject Criteria: Received room temperature; received refrigerated; hemolysis; lipemia*

*Patient Preparation:*

*Overnight fasting is required*

*Separate cells within 6 hours by centrifugation at 2-8 C (2200-2500 rpm, 800-1000g) for 5-10 minutes*

*Transfer plasma to an amber polypropylene or polyethylene transport tube to protect from light*

*Alternately, neutral color polypropylene or polyethylene tubes can be used if wrapped in aluminum foil*

*Freeze the tubes at -10 to -30 C Ship frozen*

### Vitamin C

Test Code: **VCz**

CPT:82180

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 929

Turn-around-time:

**Special Instructions: 2 mL S FRZ \***

Age (Y)

Container

Volume (mLs)

0-100

SST Frozen-Prot Light

1

929

*Vitamin C*

*Serum*

*Red-top (no gel); SST (red-top)*

*2 mL*

*Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: See Instructions*

*Ship frozen (Do not thaw)*

*Collect blood in a plain red-top tube Allow to clot at room temperature (20-25 C) for 20-30 min Centrifugation at 1000 g (2000-2200 rpm) and at 2-8 C for 8-10 min*

*Aliquot the serum into an amber polypropylene or polyethylene tube to protect sample from light*

*Alternatively, neutral color polypropylene or polyethylene tube wrapped in aluminum foil can be used*

*Neutral color tubes must be wrapped in aluminum foil Cap securely Serum must be prepared and stored in dry ice within 3 hours of sample collection*

*Do not thaw Overnight fasting is preferred Patient should refrain from taking vitamin C supplements or fruits 24 hours prior to sample collection*

### Vitamin D Total 25-Hydroxy

Test Code: **VITD**

CPT:82306

Dept: Chemistry

Prefix: C

Turn-around-time:

Age (Y)

Container

Volume (mLs)

0-100

Green Li Heparin PST

1

### Vitamin D,1,25-Dihydroxy

Test Code: **VITDOHz**

CPT:82652

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 16558

Turn-around-time:

**Special Instructions: Serum 1 mL R(REF)\***

Age (Y)

Container

Volume (mLs)

0-100

Red (No Gel)

3.5

16558

Vitamin D, 1,25-Dihydroxy, LC/MS/MS

CPT: 82652

Serum

Red-top (no gel) (preferred, SST (red-top))

1 mL

Room Temp: 28 Days, Refrig: 28 Days, Frozen: 28 Days

Ship room temperature

REJECT CRIT: Gross hemolysis; Lipemia; Icteric specimens; Plasma

INSTRUCTION: Collect blood in a non-gel barrier red-top tube

Allow blood to clot (30 minutes) at room temperature Centrifuge and separate the serum from the cells

Note: If sample is submitted with less than 11 mL and needs to be repeated, the sample will be canceled with the comment

TNP-Initial testing necessitated a repeat, but there was insufficient sample to perform repeat

### Vitamin E (Tocopherol)

Test Code: **VITEz**

CPT:84446

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 931

Turn-around-time:

**Special Instructions: 2 mL S PROT LIGHT REF \***

Age (Y)

0-100

Container

Red Prot-Light

Volume (mLs)

2

CPT: 84446

931

Vitamin E (Tocopherol)

Serum

Red-top (no gel); SST (red-top/plastic); SST (red-top/glass)

2 mL

Room Temp: 24 Hours, Refrig: 7 Days, Frozen: 28 days

Ship refrigerated (Okay to thaw)

Send serum in an amber tube If amber tube is not available, wrap tube in aluminum foil to protect from light Overnight fasting is preferred

### Vitamin K

Test Code: **VITKz**

CPT:84597

Dept: Reference

Prefix: Z

Quest Diagnostics Nichols Inst 36585

Turn-around-time:

**Special Instructions: 4 mL PL PROT LIGHT ASAP FRZ \***

Age (Y)

0-100

Container

Green Frozen

Volume (mLs)

4

CPT: 84597

36585

Vitamin K

Plasma

Sodium heparin (green-top); Lithium heparin (green-top)

4 mL

*Room Temp: Unacceptable , Refrig: Unacceptable , Frozen: 90 Days*  
*Ship frozen (Do not thaw)*  
*Separate and freeze immediately in plastic vial Wrap tube in aluminum foil to protect from light Overnight fasting is preferred*

---

**VMA, Ur**

Test Code: **VMARz**                      CPT:  
 Dept: Reference Special              Prefix: ZS              Quest Diagnostics Nichols Inst    1710  
 Turn-around-time:

**Special Instructions:**    **Urine Sterile Cup 10 mL R(REF) \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Urine Sterile Cup	1

*1710*  
*VMA (Vanillylmandelic Acid), Random Urine*  
*Random urine with 6N HCL*  
*Sterile screw cap container*  
*10 mL*  
*Room Temp: 10 Days , Refrig: 14 Days , Frozen: 1 Year*  
*Ship room temperature (Okay to thaw)*  
*REJECTION CRITERIA: pH>30 received unfrozen*  
*10 mL urine: ph adjusted to <30 using 6N HCL Urine without preservative is acceptable if pH is below 6 and the sample is shipped frozen It is preferable for the patient to be off medications for three days prior to collection However, common antihypertensives (diuretics, ACE inhibitors, calcium channel blockers, alpha and beta blockers) cause minimal or no interference Patient should avoid alcohol, coffee, tea, tobacco (including use of nicotine patch), bananas, citrus fruits and strenuous exercise prior to collection*

---

**VMA, Ur 24hr wo Creat**

Test Code: **VMA24z**                      CPT:84585  
 Dept: Reference Special              Prefix: ZS              Quest Diagnostics Nichols Inst    934X  
 Turn-around-time:

**Special Instructions:**    **24 Hour Urine Container 10 mL R(REF) \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	5

*934X*  
*VMA, 24-Hour Urine (without Creatinine)*  
*24-hour urine*  
*24-hour urine container; 25 mL 6N HCL*  
*10 mL*  
*Room Temp: 10 Days , Refrig: 14 Days , Frozen: 1 Year*  
*Ship room temperature (Okay to thaw)*  
*REJECT CRITERIA: pH>30 received unfrozen*  
*10 mL urine: ph adjusted to <30 using 6N HCL Urine without preservative is acceptable if pH is below 3 and the sample is shipped frozen It is preferable for the patient to be off medications for three days prior to collection However, common antihypertensives (diuretics, ACE inhibitors, calcium channel blockers, alpha and beta blockers) cause minimal or no interference Patient should avoid alcohol, coffee, tea, tobacco*

(including use of nicotine patch), bananas, citrus fruits and strenuous exercise prior to collection

---

### Von Willebrand Factor Antigen

Test Code: **VWFAGz** CPT:85246  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 4919  
 Turn-around-time:

**Special Instructions: 1 mL PL ASAP FRZ \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Blue (Sodium Citrate) Frozen	2.70000004768 37198

4919

von Willebrand Factor Antigen

Plasma

32% Sodium Citrate (lt blue-top)

1 mL

Room Temp: 8 Hours , Refrig: 24 Hours , Frozen: 30 Days

Ship frozen (Do not thaw)

Platelet-poor plasma: Centrifuge light blue-top tube for 15 minutes at approximately 1500 g within 60 minutes of collection

Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial

Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial Plasma must be free of platelets (<10,000/mcL)

Freeze immediately and ship on dry ice Note: Storage of whole blood at refrigerated temperatures prior to processing may lead to cryoprecipitate formation and falsely low Factor VIII and von Willebrand Factor studies

---

### Voriconazole, by HPLC

Test Code: **VORCz** CPT:80299  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 94096  
 Turn-around-time:

**Special Instructions: Red (No Gel) Refrigerated 2 mL R(REF) \***

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	3

94096

Voriconazole, HPLC (51929)

Serum

Red-top (no gel); Sterile leak-proof container

2 mL

Room Temp: 5 Days , Refrig: 5 Days , Frozen: 30 Days

Ship Refrigerated

Serum separator tubes, other body fluids are unacceptable

---

### WBC Count, Automated

Test Code: **WBC** CPT:85048  
 Dept: Hematology Prefix: H  
 Turn-around-time:

<u>Age (Y)</u>	<u>Container</u>
0-100	Lavender

CPT: 85048

**West Nile Virus Ab, IgG,M**

Test Code: *WNVGMz* CPT:  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 36596  
 Turn-around-time:

Special Instructions: 1 mL S REF

Age (Y)	Container	Volume (mLs)
0-100	Serum Separator Tube	0.5

36596  
 West Nile Virus Antibodies (IgG, IgM), Serum  
 Serum  
 Red-top (no gel); SST (red-top)  
 1 mL  
 Room Temp: 4 Days , Refrig: 7 Days , Frozen: 30 Days  
 Ship refrigerated

**West Nile Virus Ab, IgG,M CSF**

Test Code: *WNVGMFz* CPT:  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 36597  
 Turn-around-time:

Special Instructions: 2 mL CSF REF

Age (Y)	Container	Volume (mLs)
0-100	CSF Tube (MIC)	1

36597  
 West Nile Virus Antibodies (IgG, IgM), CSF  
 SPECIMEN: CSF  
 VOLUME: 2 mL  
 CONTAINER: Sterile Plastic screw-Cap Container  
 SHIP TEMP: Ship refrigerated  
 SPECIMEN STABILITY  
 Room Temp: 7 Days , Refrig: 14 Days , Frozen: 30 Days

**West Nile, RNA by PCR Qual**

Test Code: *WNRz* CPT:87798  
 Dept: Reference Fluid Prefix: ZF Quest Diagnostics Nichols Inst 17563X  
 Turn-around-time:

Special Instructions: 0.7 mL CSF REF \*

Age (Y)	Container	Volume (mLs)
0-100	CSF Frozen	1

17563X  
 West Nile Virus RNA, Qualitative Real-Time PCR (45315)  
 CSF  
 EDTA (lavender-top); ACD solution A (yellow-top); ACD solution B  
 (yellow-top); PPT Potassium EDTA (white top); Red-top (no gel);  
 SST (red-top/plastic); Sterile screw cap container  
 07 mL  
 Room Temp: 48 Hours , Refrig: 7 Days , Frozen: 30 Days  
 Ship refrigerated (Do not thaw)

*Plasma: Collect blood in sterile tubes containing EDTA as anticoagulant or in Plasma Preparation Tube (PPT, preferred) Store collected whole at room temperature and separate plasma from cells within 2 hours of collection Transfer plasma to sterile, plastic, screw-capped, aliquoted tubes Do not clarify plasma by filtration or further centrifugation If blood is collected in a PPT, centrifuge within 2 hours of collection but it is not necessary to transfer plasma to aliquot tube Plasma can be shipped in PPT Serum: Collect blood in sterile tubes with no anticoagulants; serum separator tubes (SST) are recommended Allow blood to clot at room temperature and separate serum from cells within 1 hour of collection Transfer serum to sterile, plastic, screw-capped, aliquoted tubes CSF: Collect in a sterile, plastic container with a leak-proof cap*

---

**Wet Mount**

Test Code: *WET* CPT:87210  
 Dept: Routine Microbiology Prefix: M  
 Turn-around-time:

Age (Y)  
 0-100

---

**Zinc, PI**

Test Code: *ZINPz* CPT:84630  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 945  
 Turn-around-time:

**Special Instructions:** 2 mL PL REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal EDTA	2

---

*945  
 Zinc  
 Plasma  
 Royal blue-top (EDTA) in trace element collection system; No additive (royal blue-top)  
 2 mL  
 Room Temp: 5 Days , Refrig: 10 Days , Frozen: 30 Days  
 Ship room temperature  
 Separate serum or plasma from cells within two hours Transfer separated serum/plasma to a plastic acid washed or metal free vial*

---

**Zinc, RBC**

Test Code: *ZNRBCz* CPT:84630  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 6354  
 Turn-around-time:

**Special Instructions:** 3 mL WB AMB \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Royal EDTA	2

---

*6354  
 Zinc, RBC*



*Send RBCs (Not Whole Blood)  
 EDTA (royal blue-top); EDTA (lavender-top); Sodium heparin (green-top); Lithium heparin (green-top); Sodium heparin trace metal (royal blue-top); Sodium heparin lead-free (tan-top)  
 05mL (03 mL minimum) red blood cells  
 Room Temp: 7 Days , Refrig: 7 Days , Frozen: Unacceptable  
 Ship room temperature  
 Set up: Tues-Sat; Report available: 2-4 days  
 Red Blood Cells Trace Metal: 1 Use the royal blue-topped Trace Metal evacuated tube (Becton- Dickinson catalog #367736) with EDTA for RBC trace metal testing Hemolysis is absolutely undesirable 2 Centrifuge and separate RBCs into an acid washed plastic screw cap vial within two hours of collection*

---

**Zinc, Ur 24hr**

Test Code: **ZIN24Uz** CPT:84630  
 Dept: Reference Special Prefix: ZS Quest Diagnostics Nichols Inst 946  
 Turn-around-time:

**Special Instructions:** 7 mL 24UR REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	24 Hour Urine Container	3

*946  
 Zinc, 24-Hour Urine  
 24-hour urine  
 24-hour urine container - acid washed; Metal free container  
 7 mL  
 Room Temp: 5 Days , Refrig: 14 Days , Frozen: 30 Days  
 Ship room temperature (Okay to thaw)  
 7 mL aliquot of a well mixed 24 hour urine collected in acid washed or metal free container Collect without preservative and transport in a plastic, acid-washed, metal-free, leakproof container Record total volume on specimen container and on test requisition Random urine is unacceptable To avoid contamination, do not measure 24-hour volume*

---

**Zonisamide**

Test Code: **ZONz** CPT:80299  
 Dept: Reference Prefix: Z Quest Diagnostics Nichols Inst 37852  
 Turn-around-time:

**Special Instructions:** 1 mL S REF \*

<u>Age (Y)</u>	<u>Container</u>	<u>Volume (mLs)</u>
0-100	Red (No Gel)	1.5

*37852  
 Zonisamide  
 Serum  
 Red-top (no gel); EDTA (lavender-top); Sodium heparin (green-top)  
 1 mL  
 Room Temp: 24 Hours , Refrig: 14 Days , Frozen: 45 Days  
 Ship refrigerated  
 Collect blood in plain red-top tube*

---