



## Acetaminophen, Serum

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 1 mL.

### PowerChart Name

Acetaminophen (Tylenol) Level

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Reference Range

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Therapeutic Value:	varies with use
Toxic Concentration:	>250 µg/mL (4 hours after ingestion)

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### Performed

Daily, Continuous

### Turnaround Time

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Stat Tests	1 hour
Routine Tests	4 hours

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### Recommended Monitoring

Peak concentration: 30 minutes – 2 hours; Toxic absorb within 4 hours.

### Reference Range

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Therapeutic value:	Varies with use
Toxic concentration:	>250 mcg/mL

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# Acetone

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 0.5 mL.

## PowerChart Name

Acetone (Ketones) Qualitative Serum

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

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Stat Tests	1 hour
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Routine Tests	4 hours
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## Reference Range

Negative

## **Acetylcholine Receptor Binding Antibodies**

This test is sent out to Warde Laboratory in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Acetylcholine Receptor Binding Antibody

### **If you need help...**

Call the Send Outs department at 301-754-7299.

# Activated Partial Thromboplastin Time (APTT)

## Specimen Required

Citrated Plasma, Blue-Top Tube. Minimum Volume: 1 full tube.

## Instructions

- Flush heparin Lock or heparinized line with at least 20mL of blood before specimen is obtained.
- Fill tube to capacity.
- If citrate solution in tube is cloudy or contains precipitate, do not use.
- Test must be run within 4 hours of draw.

## PowerChart Name

Partial Thromboplastin Time (aPTT)

## Rejection Criteria

- Clotted specimens
- Collected in incorrect tube
- Unlabeled/Mislabeled Specimen
- Specimens with inadequate volume (less than 90% filled)
- Overfilled tubes

## Stability

Room Temperature: 4 hours

## Performed

Daily, Continuous

## Turnaround Time

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Stat Tests	1 hour
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Routine Tests	4 hours
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## Reference Range

23.8-35.4 seconds

## Critical Range

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Adult:	>89 seconds
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Adult (Pre-op):	>45 seconds
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Pediatric (0-15 years):	>80 seconds
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Neonatal (0-28 days):	>80 seconds
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## **Activated Protein C**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Protein C Resistance Activated

### **If you need help...**

Call the Send Outs department at 301-754-7299.

# Acute Hepatitis Panel

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

## Components

[Hepatitis A Antibody IgM](#), [Hepatitis B Core Antibody IgM](#), [Hepatitis B Surface Antigen](#), [Hepatitis C Antibody](#)

## PowerChart Name

Hepatitis Acute Panel

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

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Stat Tests	1 hour
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Routine Tests	4 hours
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## Reference Ranges

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Hep B Surface AG	<a href="#">See Hepatitis B Surface Antigen</a>
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Hepatitis B Core Antibody, IgM	<a href="#">See Hepatitis B Core Antibody IgM</a>
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Hepatitis C Virus AB	<a href="#">See Hepatitis C Antibody</a>
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Hepatitis A Antibody, IgM	<a href="#">See Hepatitis A Antibody IgM</a>
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## **Acute Leukemia Followup Panel**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### **PowerChart Name**

Acute Leukemia Followup Panel

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Acylcarnitine, Plasma**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### **PowerChart Name**

Acylcarnitines Quantitative

### **If you need help...**

Call the Send Outs department at 301-754-7299.



## **Adenovirus Antibody, IgG & IgM**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Adenovirus Antibody, IgG & IgM

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Adrenocorticotrophic Hormone (ACTH)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

ACTH Adrenocorticotrophic

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **AFP Tumor Marker**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Alpha Fetoprotein Tumor Marker

### **If you need help...**

Call the Send Outs department at 301-754-7299.

# Alanine Aminotransferase (ALT)

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

## PowerChart Name

ALT/SGPT

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

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Stat Tests	1 hour
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---

Routine Tests	4 hours
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## Reference Range

11.0-53.0 U/L

# Albumin

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

## Powerchart Name

Albumin Level

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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## Reference Range

3.4-4.9 g/DL

# Alcohol (Ethanol)

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

## PowerChart Name

Alcohol (Ethanol) Level

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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## Reference Range

0-909 mg/dL

## **Aldolase**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Aldolase

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Aldosterone, RIA**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Aldosterone Level

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Aldosterone, Urine**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Aldosterone 24 Hour Urine

### **If you need help...**

Call the Send Outs department at 301-754-7299.

# Alkaline Phosphatase

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

## PowerChart Name

Alkaline Phosphatase

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

---

Stat Tests	1 hour
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Routine Tests	4 hours
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## Reference Range

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< 4 years	Female	60.0-321.0 U/L
	Male	110.0-302.0 U/L
< 9 years	Female	118.0-360.0 U/L
	Male	110.0-341.0 U/L
< 11 years		103.0-373.0 U/L
< 13 years		83.0-382.0 U/L
< 17 years		67.0-372.0 U/L
> 11 years		24.0-118.0 U/L

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## Alkaline Phosphatase Isoenzymes

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Alkaline Phosphatase Isoenzyme

### If you need help...

Call the Send Outs department at 301-754-7299.

## Alpha-1-Antitrypsin

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website.](#)

### PowerChart Name

Alpha-1-Antitrypsin

### If you need help...

Call the Send Outs department at 301-754-7299.

## Alpha-1-Antitrypsin Phenotyping

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Alpha-1-Antitrypsin Phenotype

### If you need help...

Call the Send Outs department at 301-754-7299.

## Aluminum

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Aluminum Level

### If you need help...

Call the Send Outs department at 301-754-7299.

## **Amino Acids, Plasma, Quantitative**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Amino Acid Quant Ion-Ex Plasma

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Amino Acids, Urine, Quantitative**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Amino Acid Quantitative Ion-Ex Urine

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Aminolevulinic Acid (ALA), Urine**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Aminolevulinic Acid (ALA) Urine

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Amiodarone (Cordarone)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Amiodarone Level

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## Amitriptyline and Nortriptyline

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Amitriptyline and Nortriptyline Level

### If you need help...

Call the Send Outs department at 301-754-7299.

## Ammonia

### Specimen Required

Plasma, Green-Top Tube. Put specimen on ice immediately after collection. Minimum Volume: 3 mL.

### PowerChart Name

Ammonia Level

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube
- Specimen not placed on ice

### Stability

Room Temperature: 1 hour

### Performed

Daily, Continuous

### Turnaround Time

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Stat Tests	1 hour
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Routine Tests	4 hours
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### Reference Range

11.0-35.0 umol/L

## Amylase Isoenzymes

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Amylase Isoenzymes

### If you need help...

Call the Send Outs department at 301-754-7299.

## Amylase, Body Fluid

### Specimen Required

Body Fluid, Fluid Tube. Minimum Volume: 2 mL.

### PowerChart Name

Amylase Body Fluid

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

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Stat Tests	1 hour
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Routine Tests	4 hours
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### Reference Range

Not established

# Amylase, Body Fluid

## Specimen Required

Body Fluid, Fluid Tube. Minimum Volume: 2 mL.

## PowerChart Name

Amylase Body Fluid

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

---

Stat Tests	1 hour
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Routine Tests	4 hours
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## Reference Range

Not established

# Amylase, Serum

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

## PowerChart Name

Amylase, Level

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

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Stat Tests	1 hour
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Routine Tests	4 hours
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## Reference Range

36.00-128.00 U/L

## Angiotensin Converting Enzyme, CSF

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Angiotensin Converting Enzyme (ACE) CSF

### If you need help...

Call the Send Outs department at 301-754-7299.

## Angiotensin Converting Enzyme, Serum

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Angiotensin 1 Enzyme (ACE)

### If you need help...

Call the Send Outs department at 301-754-7299.

## Anti-Nuclear Antibody (ANA) Screen, IFA

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please read the test requirements on the Warde Website.

Ready? [View this test on the Warde website](#)

### NOTE

Quantitative reflex testing will be added to all positive ANA titers.

### PowerChart Name

Antinuclear Antibody Titer

### If you need help...

Call the Send Outs department at 301-754-7299.

## Antithrombin III Activity

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Antithrombin III Activity

### If you need help...

Call the Send Outs department at 301-754-7299.

## Antithrombin III, Antigen

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Antithrombin III Antigen

### If you need help...

Call the Send Outs department at 301-754-7299.

## Arbovirus IgG Antibodies

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Arbovirus Antibody

### If you need help...

Call the Send Outs department at 301-754-7299.

## Arsenic, Urine (24 Hour)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Arsenic 24 Hour Urine

### If you need help...

Call the Send Outs department at 301-754-7299.



## Arsenic, Urine (Random)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Arsenic Random Urine

### If you need help...

Call the Send Outs department at 301-754-7299.

## Asparate Aminotransferase (AST)

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3mL.

### PowerChart Name

AST/SGOT

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

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Stat Tests	1 hour
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Routine Tests	4 hours
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### Reference Range

120-45.0 U/L

## **Aspergillus Antibody (ID)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Aspergillus Antibody ID

### **If you need help...**

Call the Send Outs department at 301-754-7299.



## **Bartonella Henselae (Cat Scratch) Antibodies, IgG & IgM**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Bartonella henselae IgG IgM Antibody

### **If you need help...**

Call the Send Outs department at 301-754-7299.

# Basic Metabolic Panel (BMP)

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

## Components

[Glucose](#), [Sodium](#), [Potassium](#), [Chloride](#), [Carbon Dioxide](#), [Calcium](#), [Urea Nitrogen](#), [Creatinine](#)

## PowerChart Name

Basic Metabolic Panel

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

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Stat Tests	1 hour
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Routine Tests	4 hours
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## Reference Ranges

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Glucose	<a href="#">See Glucose</a>
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Sodium	<a href="#">See Sodium</a>
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Potassium	<a href="#">See Potassium</a>
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Chloride	<a href="#">See Chloride</a>
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Carbon Dioxide	<a href="#">See Carbon Dioxide</a>
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Anion Gap without Potassium	Not established
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Calcium	<a href="#">See Calcium</a>
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Urea Nitrogen	<a href="#">See Urea Nitrogen</a>
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Creatinine	<a href="#">See Creatinine</a>
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Estimated Glomerular Filtration Rate	Not Established
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## Beta-2 Glycoprotein 1, IgG, IgM, IgA Antibodies

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website.](#)

### PowerChart Name

Beta 2 Glycoprotein I IgG IgM IgA

### If you need help...

Call the Send Outs department at 301-754-7299.

## Beta-2 Microglobulin

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Beta 2 Microglobulin

### If you need help...

Call the Send Outs department at 301-754-7299.

## Beta-2 Microglobulin, Urine

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Beta-2 Microglobulin Urine

### If you need help...

Call the Send Outs department at 301-754-7299.

## Bile Acids, Total

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Bile Acids Total

### If you need help...

Call the Send Outs department at 301-754-7299.

## Bilirubin Direct

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

### PowerChart Name

Bilirubin Direct

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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### Reference Range

0.00-0.40 mg/dL

## Bilirubin Total

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

### PowerChart Name

Bilirubin Total

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

**Turnaround Time**

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Stat Tests	1 hour
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Routine Tests	4 hours
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**Reference Range**

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< 29 days	0.60 – 11.10 mg/dL
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> 29 days	0.30 – 1.20 mg/dL
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**Bilirubin, Total & Direct, Newborn****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 1 mL.

**PowerChart Name**

Bilirubin Neonatal Total and Direct

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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**Reference Range**

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Neonatal Bilirubin	0.60 – 11.10 mg/dL
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Direct Bili (Newborn)	0.00 – 0.60 mg/dL
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Indirect Bili (NB)	0.60-10.50 mg/dL
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**Critical Values**

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Neonatal	>20
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# Body Fluid Cell Count & General Exam

## Specimen Required

Fluid, Fluid tube/container. Minimum Volume: 3 mL fluid.

## Instructions

Specimen must include:

- the type of fluid
- date and time of collection
- collector ID

## Components

Cell Count, General Exam, Synovial Analysis

## PowerChart Name

Cell Count Body Fluid

## Rejection Criteria

- Clotted specimens
- Unlabeled/Mislabeled Specimen

## Stability

Room Temperature: 24 hours

## Performed

Daily, Continuous

## Turnaround Time

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Stat Tests	1 hour
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Routine Tests	4 hours
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## Reference Range

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Fluid Specific Gravity	Not Established
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Fluid Nucleated Cells	Not Established
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Fluid RBC	Not Established
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Synovial Fluid Crystals	Not Established
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Synovial Fluid Viscosity	Not Established
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Fluid Differential	Not Established
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## **Bordetella Pertussis DFA**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### **PowerChart Name**

Bordetella Pertussis Antibody DFA

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Borrelia Burgdorferi DNA (PCR)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Borrelia burgdorferi (PCR)

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Borrelia Burgdorferi IgG & IgM Antibodies, CSF**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Borrelia burgdorferi Antibody CSF

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **BUN Post Dialysis**

### **Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

### **PowerChart Name**

BUN Post Dialysis

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube.

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

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Stat Tests	1 hour
Routine Tests	4 hours

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## **C-Reactive Protein (CRP), Highly Sensitive, CSF**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### **PowerChart Name**

C-Reactive Protein High Sensitivity CSF

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **CA 19-9 (Carbohydrate Antigen 19-9)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

CA 19-9

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **CA 27.29**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

CA 27.29

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **CA125**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

CA 125

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Calcium

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

**PowerChart Name**

Calcium Total

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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---

**Normal Range**

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< 28 days	7.8-11.0 mg/dL
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< 15 years	6.0-14.0 mg/dL
------------	----------------

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> 15 years	8.7-10.7 mg/dL
------------	----------------

---

**Critical Range**

---

Adult	<7 or >12.5
-------	-------------

---

Neonatal (0-28 days)	<7 or >12
----------------------	-----------

---

Pediatric (up to 15 years)	<6 or >14
----------------------------	-----------

---

# Calcium, Random Urine

## Specimen Required

Urine, UA Yellow-Top Tube. Minimum Volume: 3 mL urine. Collect urine without preservatives.

## PowerChart Name

Calcium Random Urine

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 2 hours

## Performed

Daily, Continuous

## Turnaround Time

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

## Reference Range

Not established

# Calcium, Urine (24 hr.)

## Specimen Required

24 Hour Urine Jug. Note start and end time on the jug.

## Instructions

Keep container refrigerated during the collection period.

## PowerChart Name

Calcium 24 hr. urine

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

## Carbamazepine (Tegretol)

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

**PowerChart Name**

Carbamazepine (Tegretol) Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

---

Therapeutic	4.0-12.0 mcg/mL
-------------	-----------------

---

Toxic	>15 mcg/mL
-------	------------

---

**Recommended Monitoring**

based on route and dosage

**Indications/Use**

Anticonvulsant, Epilepsy

# Carbon Dioxide

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

## PowerChart Name

Carbon Dioxide Level

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

## Normal Range

22.0-30.0 mmol/L

## Critical Range

Adult	<15 or >40
Neonatal (0-28 days)	<10 or >35
Pediatric (Up to 15 years)	<10 or >35

# Carcinoembryonic Antigen (CEA)

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

## PowerChart Name

Carcinoembryonic Antigen (CEA)

## Rejection Criteria

- Unlabeled/Mislabeled Specimen

- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

0.0-3.0 ng/mL

## Cardiac Markers

**Specimen Required**

- Serum, Gold-Top Tube. Minimum Volume: 3 mL serum. **AND**
- Plasma, Green-Top Tube. Minimum Volume: 3 mL plasma.

**Components**

[Creatine Kinase MB, Troponin I](#)

**PowerChart Name**

Cardiac Markers

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---



## Reference Ranges

---

Creatine Kinase MB	<a href="#">See Creatine Kinase MB</a>
--------------------	--

---

Troponin I	<a href="#">See Troponin I</a>
------------	--------------------------------

---

## Cardiolipin IgG and IgM Antibodies

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Cardiolipin Antibodies

### If you need help...

Call the Send Outs department at 301-754-7299.

## Carnitine Evaluation (Free and Total)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Carnitine (Carnitor) Level

### If you need help...

Call the Send Outs department at 301-754-7299.

## Catecholamines Fractionated, Plasma

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Catecholamines Fractionated Plasma

### If you need help...

Call the Send Outs department at 301-754-7299.

## Catecholamines, Fractionated, Urine 24-Hour

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Catecholamines Fraction Urine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## CBC

**Specimen Required**

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 1 full tube.

**Instructions**

Mix Gently.

**PowerChart Name**

CBC

**Rejection Criteria**

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Hemolyzed specimen
- Unlabeled/Mislabeled Specimen

**Stability**

Room Temperature: 24 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Reference Ranges**

[Hematology Reference Ranges – Female](#)

[Hematology Reference Ranges – Male](#)

## CBC Manual Differential

**Specimen Required**

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 1 full tube.

**Instructions**

A manual differential cannot be performed without an additional order for a [CBC with Differential](#). Please go to the order catalog and order a [CBC with Differential](#) if you have not already done so. Mix Gently.

**PowerChart Name**

Manual Differential

**Rejection Criteria**

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Hemolyzed specimen
- Unlabeled/Mislabeled Specimen

**Stability**

Room Temperature: 24 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Ranges**

Hematology Reference Ranges – Female

[Hematology Reference Ranges – Male](#)

**CBC with Differential****Specimen Required**

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Peds	Whole Blood EDTA, Pediatric Lavender-Top Tube. Minimum Volume: 1 full tube.
------	--

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Adults	Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 1 full tube.
--------	--

---

**Instructions**

Mix Gently.

**Message**

Manual differential will be performed if less than 4 weeks or when indicated by defined criteria.

**PowerChart Name**

CBC with Differential

### Rejection Criteria

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Hemolyzed specimen
- Unlabeled/Mislabeled Specimen

### Stability

Room Temperature: 24 hours

### Performed

Daily, Continuous

### Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

### Reference Ranges

[Hematology Reference Ranges – Female](#)

[Hematology Reference Ranges – Male](#)

## CCP Antibody IgG

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

CCP Antibody IgG

### If you need help...

Call the Send Outs department at 301-754-7299.

## CD4/CD8 (T4/T8 Helper/Suppress Ratio)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

T-Cell Helper/Inducer CD-4 (SS)

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Celiac Disease Panel**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Celiac Disease Panel

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Centromere Antibodies**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Centromere Antibody

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Chlamydia & Neisseria Nucleic Acid by TMA**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Chlamydia and Neisseria RNA

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Chlamydia Species Antibody Panel, IgG & IgM**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Chlamydia Antibody Panel

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Chlamydia Trachomatis Nucleic Acid by TMA

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Chlamydia Trachomatis RNA

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Chloride

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

**PowerChart Name**

Chloride Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Range**

96.0-112.0 mmol/L

**Critical Range**

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Adult	<75 or >126
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---

---

Neonatal (0-28 days)	<86 or >125
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Pediatric (up to 15 years)	<86 or >120
----------------------------	-------------

---

## Chloride, UA, Random

This test is sent to Specialty Labs in California. For more information about this test, please see the test requirements on the Specialty Labs Website.

[Ready? View this test on the Specialty Labs website](#)

### PowerChart Name

Chloride Random, Urine

### If you need help...

Call the Send Outs department at 301-754-7299.

## Cholesterol

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

### Instructions

Patient should fast for 12 hours prior to test.

### PowerChart Name

Cholesterol

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

### Reference Range

Not established

## Chromosome Analysis Tissue

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chromosome Study Tissue

### If you need help...

Call the Send Outs department at 301-754-7299.

## Chromosome Analysis, Amniotic Fluid

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chromosome Study Amniotic Fluid

### If you need help...

Call the Send Outs department at 301-754-7299.

## Chromosome FISH Di George

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chromosome FISH Di George (SS)

### If you need help...

Call the Send Outs department at 301-754-7299.

## Chromosome FISH Prader

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chromosome FISH Prader (SS)

### If you need help...

Call the Send Outs department at 301-754-7299.



## Chromosome FISH William

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chromosome FISH William

### If you need help...

Call the Send Outs department at 301-754-7299.

## Chromosome High Resolution Binding

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chromosome High Resolution Binding (SS)

### If you need help...

Call the Send Outs department at 301-754-7299.

## Chromosome, Blood

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chromosome Study Blood

### If you need help...

Call the Send Outs department at 301-754-7299.

## Chromosome, CLL/LPD

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chromosome CLL/LPD

### If you need help...

Call the Send Outs department at 301-754-7299.

## Chromosome, Hematologic

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chromosome Hematologic

### If you need help...

Call the Send Outs department at 301-754-7299.

## Chronic Lymphocytic Leukemia (CLL)/Lymphoma Follow-Up Panel

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chronic Lymphocytic Leukemia/Lymphoma Follow Up Panel

### If you need help...

Call the Send Outs department at 301-754-7299.

## Chronic Lymphocytic Leukemia/ Lymphoma Panel

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Chronic Lymphocytic Leukemia/ Lymphoma Panel

### If you need help...

Call the Send Outs department at 301-754-7299.

## Citrate, Urine 24-Hour

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Citrate 24 Hour Urine

### If you need help...

Call the Send Outs department at 301-754-7299.

## Clonazepam (Klonopin)

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Clonazepam (Klonopin) Level

### If you need help...

Call the Send Outs department at 301-754-7299.

## Clostridium Difficile Culture with Reflex to Toxin

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Clostridium difficile Toxin

### If you need help...

Call the Send Outs department at 301-754-7299.

## Coccidioides Antibody

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Coccidioides Antibody

### If you need help...

Call the Send Outs department at 301-754-7299.

## Comprehensive Metabolic Panel (CMP)

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

### Instructions

Fasting

### Components

[Albumin](#), [Alkaline Phosphatase](#), [Alanine Aminotransferase](#), [Asparate Aminotransferase](#), [Calcium](#), [Carbon Dioxide](#), [Chloride](#), [Creatinine](#), [Glucose](#), [Potassium](#), [Sodium](#), [Total Bilirubin](#), [Total Protein](#), [Urea Nitrogen](#)

**PowerChart Name**

CMP (Comprehensive Metabolic Panel)

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Ranges**

Glucose	<a href="#">See Glucose</a>
Sodium	<a href="#">See Sodium</a>
Potassium	<a href="#">See Potassium</a>
Chloride	<a href="#">See Chloride</a>
Carbon Dioxide	<a href="#">See Carbon Dioxide</a>
Anion Gap without Potassium	Not established
Calcium	<a href="#">See Calcium</a>
Estimated Glomerular Filtration Rate	Not Established
Total Protein	<a href="#">See Total Protein</a>
Albumin	<a href="#">See Albumin</a>
Globulins, Total	Not Established
A/G Ratio	1.4-1.9 mg/dL
Alkaline Phosphatase	<a href="#">See Alkaline Phosphatase</a>

Aspirate Aminotransferase	<a href="#">See Asparate Aminotransferase</a>
Alanine Aminotransferase	<a href="#">See Alanine Aminotransferase</a>
Total Bilirubin	<a href="#">See Total Bilirubin</a>
Urea Nitrogen	<a href="#">See Urea Nitrogen</a>
Creatinine	<a href="#">See Creatinine</a>

## Comprehensive Virus Detection

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### If you need help...

Call the Send Outs department at 301-754-7299.

## Cortisol, Free, Urine

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Cortisol Free 24 Hour Urine

### If you need help...

Call the Send Outs department at 301-754-7299.

## Cortisol, Serum

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Cortisol Total

### If you need help...

Call the Send Outs department at 301-754-7299.

## Coxsackie A Antibodies, Serum

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Coxsackie A Antibody

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Coxsackie B (1-6) Antibodies

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Coxsackie B Antibody

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Creatine Kinase (CK)

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Creatine Kinase (CK)

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Reference Range**

---

Female	38.0-234.0 U/L
--------	----------------

---

Male	49.0-397.0 U/L
------	----------------

---

## Creatinine

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Creatinine

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

0.5-1.20 mg/dL

## Creatinine Clearance

**Specimen Required**

- Serum, Gold-Top Tube. Minimum Volume: 3 mL serum. **AND**
- Urine, 24-Hour Urine Jug without preservatives.

**Instructions**

- Serum creatinine must be collected within 24 hours of urine collection stop time.
- Keep the urine container refrigerated during the collection period.
- Be sure to note the following items on the urine jug:
  - Collection start and end times.

- Patient's height and weight.

**PowerChart Name**

Creatinine Clearance (SS/MT)

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Ranges**

Female	75.0 – 115.0 mL/min
Male	85.0 – 125.0 mL/min

## Creatinine, Random Urine

**Specimen Required**

Urine, UA Yellow-Top Tube. Minimum Volume: 3 mL urine. Collect urine without preservatives.

**PowerChart Name**

Creatinine Random Urine

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous



**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

Not established

## Cryoglobulins

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Cryoglobulin

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Cryptosporidium Antigen, DFA

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Cryptosporidium Antigen DFA

**If you need help...**

Call the Send Outs department at 301-754-7299.

## CSF General Exam, Differential

**Specimen Required**

CSF, CSF Tube. Minimum Volume: 1 mL CSF.

**Instructions**

Specimen must include:

- date of collection
- time of collection
- collector ID

**Components**

CSF Nucleated Cells, CSF Red Blood Cells, CSF Cell Count, CSF Neutrophils, CSF Lymphocytes, CSF Mono/Macrophages, CSF Eosinophils, Pathologist Review

**PowerChart Name**

Cell count with Differential CSF

**Rejection Criteria**

- Clotted specimens
- Unlabeled/Mislabeled Specimen

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

**Reference Ranges**

---

CSF Nucleated Cells	Not Established
CSF Red Blood Cells	Not Established
CSF # of Cells Counted	Not Established
CSF Neutrophils	Not Established
CSF Lymphocytes	Not Established
CSF Mono/Macrophages	Not Established
CSF Eosinophils	Not Established
Pathologist Review	See results report

---

**Culture Bordetella Pertussis**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Culture Bordetella

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Culture Fungus, Blood**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Culture Fungus Blood

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Cyclosporine HPLC**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Cyclosporine Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Cystic Fibrosis Mutation Panel**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Cystic Fibrosis Mutation Panel

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Cytomegalovirus IgG Antibody**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

CMV IgG AB

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Cytomegalovirus PCR, Qualitative**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Cytomegalovirus PCR Qualitative

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Cytomegalovirus Rapid Culture**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

[Ready? View this test on the Quest website](#)

**PowerChart Name**

Culture Virus Cytomegalovirus (CMV)

**If you need help...**

Call the Send Outs department at 301-754-7299.



## Dengue Fever Antibody

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Dengue Antibody IgG IgM

### If you need help...

Call the Send Outs department at 301-754-7299.

## DHEA Sulfate

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

DHEA-S (Dehydroepiandrosterone Sulfate)

### If you need help...

Call the Send Outs department at 301-754-7299.

## Digoxin, Serum

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

### Instructions

Please note the following:

- Date and time of specimen collection.
- The amount and time of last dose.

### PowerChart Name

Digoxin Level

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

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Therapeutic	0.50-2.00 mcg/L
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Toxic	>2.5 mcg/L
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---

**Recommended Monitoring**

6-8 hours after last dose

**Indications/Use**

Heart Failure, Atrial Fibrillation

**DNA (ds) Antibody**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

DNA Antibody Double Strand

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Donor CMV, Total AB**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

CMV IgG IgM Ab (Donor)

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Doxepin (Sinequan)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Doxepin (Sinequan) Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Drug Abuse Screen Infant

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Meconium Drug Abuse Screen **OR** Drug Abuse Screen Meconium

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Drug Screen Urine

**Specimen Required**

Urine, Urine Container. Minimum Volume: 1mL urine.

**Instructions**

Do not dilute specimen.

**Components**

Amphetamines, Barbiturates, Benzodiazepines, Cannabinoids, Cocaine, Opiates, Phenacyclidine

**PowerChart Name**

Drugs of Abuse Screen Urine

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Values**

---

Amphetamines	Negative
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---

Barbiturates	Negative
--------------	----------

---

Benzodiazepines	Negative
-----------------	----------

---

Cannabinoids	Negative
--------------	----------

---

Cocaine	Negative
---------	----------

---

Opiates	Negative
---------	----------

---

Phencyclidine	Negative
---------------	----------

---





## Echovirus Antibodies

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Echovirus Antibody

### If you need help...

Call the Send Outs department at 301-754-7299.

## Ehrlichia Chaffeensis (HME) IgG, IgM Antibodies

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Ehrlichia Chaffeensis (HME) IgG IgM Antibodies

### If you need help...

Call the Send Outs department at 301-754-7299.

## Electrolytes

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

### Components

[Carbon Dioxide](#), [Chloride](#), [Potassium](#), [Sodium](#)

### PowerChart Name

Electrolyte Panel

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Ranges**

---

Anion Gap without Potassium	Not established
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Carbon Dioxide	<a href="#">See Carbon Dioxide</a>
----------------	------------------------------------

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Chloride	<a href="#">See Chloride</a>
----------	------------------------------

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Potassium	<a href="#">See Potassium</a>
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Sodium	<a href="#">See Sodium</a>
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---

**Electrolytes, Feces**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

[Ready? View this test on the Quest website](#)

**PowerChart Name**

Electrolytes Feces

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Enterovirus PCR**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Enterovirus CSF (PCR)

**If you need help...**

Call the Send Outs department at 301-754-7299.

# Eosinophil Count

## Specimen Required

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 1 full tube.

## Instructions

Specimen must include date and time of collection.

## PowerChart Name

Eosinophils OR Eosinophil Count

## Rejection Criteria

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Hemolyzed specimen
- Unlabeled/Mislabeled Specimen

## Stability

Room Temperature: 24 hours

## Performed

Daily, Continuous

## Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

## Reference Range

	EOS (%)	
	Female	Male
Birth	0.4-4.6	0.3-5.2
15 days	0.0-5.3	0.2-5.4
31 days	0.0-4.1	0.0-4.5
61 days	0.0-3.6	0.0-4.0
6 months	0.0-3.2	0.0-3.7
2 years	0.0-3.3	0.0-4.1

6 years	0.0-4.0	0.0-4.7
12 years	0.0-3.4	0.0-4.0
18 years	0.0-3.0	0.0-4.4
Adult	0.0-10.0	0.0-10.0

<b>EOS Absolute</b>		
	<b>Female</b>	<b>Male</b>
Birth	0.09-0.64	0.12-0.66
15 days	0.06-0.75	0.08-0.80
31 days	0.04-0.63	0.05-0.57
61 days	0.02-0.74	0.03-0.61
6 months	0.02-0.58	0.02-0.82
2 years	0.03-0.46	0.03-0.53
6 years	0.03-0.47	0.03-0.52
12 years	0.02-0.32	0.04-0.38
18 years	0.03-0.27	0.03-0.44
Adult	0.0-0.70	0.0-0.70

## Eosinophil Urine

### Specimen Required

Urine, UA Yellow-Top Tube. Minimum Volume: 3mL urine.

### Instructions

Collect urine without preservatives. Specimen must include date and time of collection.

### PowerChart Name

Eosinophil Urine

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Specimen collected in incorrect tube.

### Stability

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

Not established

## Eosinophil, Nasal

**Specimen Required**

Nasal Smear/Secretions

**PowerChart Name**

Smear for eosinophil nasal

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

Not established

## Epstein-Barr DNA PCR (Qualitative)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[Ready? View this test on the Warde website](#)

**PowerChart Name**

Epstein-Barr Virus DNA (PCR)

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Epstein-Barr Virus (EBV) Serology

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Epstein Barr Virus Panel

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Erythropoietin

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Erythropoietin Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Estradiol

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Estradiol Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Estriol Unconjugated

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Estriol (Unconjugated) Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Extractable Nuclear Antigens (Anti-ENA) Antibodies**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Anti-ENA (RNP + Sm)

**If you need help...**

Call the Send Outs department at 301-754-7299.

# F

## Factor II Activity

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Factor II Activity

### If you need help...

Call the Send Outs department at 301-754-7299.

## Factor IX Activity

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Factor IX Christmas (Prothrombin Complex)

### If you need help...

Call the Send Outs department at 301-754-7299.

## Factor V Activity

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Factor V Level

### If you need help...

Call the Send Outs department at 301-754-7299.

## Factor V Leiden Mutation Analysis

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)



**PowerChart Name**  
Factor V Leiden Level

**If you need help...**  
Call the Send Outs department at 301-754-7299.

## Factor X Activity

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**  
Factor X Stuart Prower

**If you need help...**  
Call the Send Outs department at 301-754-7299.

## Factor XI Activity

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**  
Factor XI Level

**If you need help...**  
Call the Send Outs department at 301-754-7299.

## Factor XII Activity

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**  
Factor XII Level

**If you need help...**  
Call the Send Outs department at 301-754-7299.

## Factor XIII Activity

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Factor XIII Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Ferritin****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Ferritin Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Range**

Female	< 49 years	6.2-137.0 ng/mL
	> 49 years	11.1-264.0 ng/mL
Male	all ages	17.9-464.0 ng/mL

**Fetal Fibronectin****Specimen Required**

Vaginal Swab, Special Collection Kit.

**PowerChart Name**

Fetal Fibronectin

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

Negative

## Fetal Hemoglobin, Qualitative, APT

**Specimen Required**

Collect fresh, bloody stool in leak-proof collection cup. Deliver to laboratory immediately.

**PowerChart Name**

Fetal Hemoglobin (APT's Test)

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 30 minutes

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	30 minutes
------------	------------

---

**Reference Range**

---

Positive	blood is of fetal origin
----------	--------------------------

---

Negative	blood is of maternal origin
----------	-----------------------------

---

**Fibrin Split Products****Specimen Required**

Serum, Special Blue-Top Tube. Minimum Volume: 2mL serum. *Special blue-top tube is available in coagulation.*

**Instructions**

- Flush heparin Lock or heparinized line with at least 20mL of blood before specimen is obtained.
- Immediately mix by inverting the tube gently.
- Test must be run within 4 hours of draw.

**PowerChart Name**

Fibrin Split Products

**Rejection Criteria**

- Collected in incorrect tube
- Unlabeled/Mislabeled Specimen

**Stability**

Room Temperature: 4 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Fibrinogen****Specimen Required**

Citrated Plasma, Blue-Top Tube. Minimum Volume: 1 full tube blood.

**Instructions**

- Flush heparin Lock or heparinized line with at least 20mL of blood before specimen is obtained.
- Fill tube to capacity.
- If citrate solution in tube is cloudy or contains precipitate, do not use.
- Test must be run within 4 hours of draw.

**PowerChart Name**

Fibrinogen Activity

**Rejection Criteria**

- Clotted specimens
- Collected in incorrect tube
- Unlabeled/Mislabeled Specimen
- Specimens with inadequate volume (less than 90% filled)
- Overfilled tubes

**Stability**

Room Temperature: 4 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Range**

Normal Range	199-496 mg/dL
Critical Range	<100

**Folate****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**Instructions**

Fasting specimen recommended.

**PowerChart Name**

Folic Acid Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

Not established

**Follicle Stimulating Hormone (FSH)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Follicle Stimulating Hormone Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Free T-3****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

T3 (Triiodothyronine) Free

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

2.5-3.9 pg/mL

## Free T-4

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

T4 (Thyroxine) Free

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

0.58-1.64 ng/dL

## Fructosamine

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

**PowerChart Name**

Fructosamine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Fungus Antibodies by ID, Serum**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Fungal Antibody Panel

**If you need help...**

Call the Send Outs department at 301-754-7299.





## Gamma Glutamyl Transferase

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

### PowerChart Name

GGT(Gamma Glutamyl Transferase)

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

### Reference Range

7.0-50.0 U/L

## Gentamicin Peak

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

### Instructions

Please note:

- Date and time of specimen collection.
- Amount and time of last dose.

**PowerChart Name**

Gentamicin Level Peak (SS)

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Range**

Therapeutic	5.0-10.0 mcg/mL
Toxic	> 12 mcg/mL

**Recommended Monitoring**

IV – 30 min; IM – 60 min

**Gentamicin Random****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**Instructions**

Please note:

- Date and time of specimen collection.
- Amount and time of last dose.

**PowerChart Name**

Gentamicin Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen

- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

Not established

## Gentamicin Trough

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**Instructions**

Please note:

- Date and time of specimen collection.
- Amount and time of last dose.

**PowerChart Name**

Gentamicin Level Trough (SS)

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

---

Therapeutic	.5-2.0 mcg/mL
-------------	---------------

---

Toxic	> 2 mcg/mL
-------	------------

---

**Recommended Monitoring**

30 minutes prior

**Gliadin IgG and IgA Antibodies (Deamidated)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[Ready? View this test on the Warde website](#)

**PowerChart Name**

Gliadin IgG and IgA Antibodies

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Glucose****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**Instructions**

Fasting

**PowerChart Name**

Glucose Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Range**

70.0 – 110.0 mg/dL

**Critical Range**

---

Adult	< 45 or > 400
-------	---------------

---

Neonatal (0-28 days)	< 35 or > 300
----------------------	---------------

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Pediatric (up to 15 years)	< 40 or > 600
----------------------------	---------------

---

## Glucose 1-Hour Screen

**Specimen Required**

Plasma, Grey-Top Tube. Minimum Volume: 3 mL plasma.

**PowerChart Name**

Glucose 1 Hour Post Glucola/Postprandial

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Range**

Not established

## Glucose 2-Hour Postprandial

**Specimen Required**

Plasma, Grey-Top Tube. Minimum Volume: 3 mL plasma.

**PowerChart Name**

Glucose 2 Hour Postprandial

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Normal Range**

Not established

## Glucose Tolerance 2-Hour, Non-Pregnant

**Specimen Required**

Plasma, Grey-Top Tube. Minimum Volume: 3 mL plasma.

**PowerChart Name**

Glucose Tolerance 2 Hour

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Range**

0.0 -139.9 mg/dL

## Glucose Tolerance 3-Hour, Non-Pregnant

**Specimen Required**

Plasma, Grey-Top Tube. Minimum Volume: 3 mL plasma.

**PowerChart Name**

Glucose Tolerance 3 Hour

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
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**Normal Range**

0.0 – 114.9 mg/dL

## Glucose Tolerance 3-Hour, Pregnant

### Specimen Required

Plasma, Grey-Top Tube. Minimum Volume: 3 mL plasma.

### PowerChart Name

Glucose Tolerance 3 Hour Gestational

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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---

### Reference Range

Not established

## Glucose Tolerance 4-Hour

### Specimen Required

Plasma, Grey-Top Tube. Minimum Volume: 3 mL plasma.

### PowerChart Name

Glucose Tolerance 4 Hour

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours



**Performed**

Daily, Continuous

**Turnaround Time**

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Stat Tests	1 hour
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Routine Tests	4 hours
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**Reference Range**

0.0-114.9 mg/dL

## Glucose Tolerance 5-Hour

**Specimen Required**

Plasma, Grey-Top Tube. Minimum Volume: 3 mL plasma.

**PowerChart Name**

Glucose Tolerance 5 Hour

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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**Reference Range**

0.0-114.9 mg/dL

## Glucose Tolerance 6-Hour

**Specimen Required**

Plasma, Grey-Top Tube. Minimum Volume: 3 mL plasma.

**PowerChart Name**

Glucose Tolerance 6 Hour

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Reference Range**

70.0-110.0 mg/dL

## Glucose, Body Fluid

**Specimen Required**

Fluid in a non-preservative tube or cup. Minimum Volume: 1ml fluid. Must be refrigerated if not delivered immediately.

**PowerChart Name**

Glucose Body Fluid

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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---

**Reference Range**

Not established

**Glucose, CSF****Specimen Required**

CSF, CSF Tube. Minimum Volume: 1 mL CSF. Deliver to lab immediately.

**PowerChart Name**

Glucose CSF

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

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Stat Tests	1 hour
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Routine Tests	4 hours
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**Normal Range**

40.0-70.0 mg/dL

**Critical Range**

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Adult	< 37 or > 438
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Neonatal (0-28 days)	< 30 or > 438
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Pediatric (up to 15 years)	< 40 or > 438
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## **Glucose-6-Phosphate Dehydrogenase (G-6-PD)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

G6PD Quantitative (Glucose-6-Phosphate Dehydrogenase)

### **If you need help...**

Call the Send Outs department at 301-754-7299.



## Hairy Cell Leukemia/Lymphoma Followup Panel

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Hairy Cell Leukemia/Lymphoma Followup Panel

### If you need help...

Call the Send Outs department at 301-754-7299.

## HDL and LDL

\*\*\*To order this test, you must order a [Lipid Profile](#)\*\*\*

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

---

Stat Tests	1 hour
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Routine Tests	4 hours
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## Heavy Metals Group, Blood

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Heavy Metal Screen Blood

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Heavy Metals Panel Random Urine

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Heavy Metal Screen Urine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Helicobacter Pylori IgG, IgM, & IgA Antibodies

This test is no longer available. Please use [Heliobacter Pylori Antigen, Stool](#).

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Heliobacter Pylori Antigen, Stool

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Hematocrit, Routine HCT

**Specimen Required**

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 1 full tube.

**Instructions**

Specimen must include date and time of collection.

**PowerChart Name**

Hematocrit

**Rejection Criteria**

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Hemolyzed specimen
- Unlabeled/Mislabeled Specimen

**Stability**

Room Temperature: 24 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Normal Range**

	Female	Male
Birth	39.6-57.2	39.8-53.6
15 days	32.0-44.5	30.5-45.0
31 days	27.7-35.1	26.8-37.5
61 days	29.5-37.1	28.6-37.2
6 months	30.9-37.9	30.8-37.8
2 years	31.2-37.8	31.0-37.7
6 years	32.4-39.5	32.2-39.8
12 years	33.4-40.4	33.9-43.5
18 years	32.9-41.2	36.2-46.3
Adult	36.0-46.0	41.0-53.0

**Critical Range**

Adult	< 20 or > 60
Neonatal (0-28 days)	< 23 or > 60
Pediatric (up to 15 years)	< 15 or > 60

# Hemoglobin, Routine, HGB

## Specimen Required

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 1 full tube.

## Instructions

Specimen must include date and time of collection.

## PowerChart Name

Hemoglobin

## Rejection Criteria

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Hemolyzed specimen
- Unlabeled/Mislabeled Specimen

## Stability

Room Temperature: 24 hours

## Performed

Daily, Continuous

## Turnaround Time

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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## Normal Range

	Female	Male
Birth	13.4-20.0	13.9-19.1
15 days	10.8-14.6	10.0-15.3
31 days	9.2-11.4	8.9-12.7
61 days	9.9-12.4	9.6-12.4
6 months	10.2-12.7	10.1-12.5
2 years	10.2-12.7	10.2-12.7
6 years	10.6-13.2	10.7-13.4

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12 years	310.8-13.3	11.0-14.5
18 years	10.6-13.5	311.9-15.4
Adult	12.0-16.0	13.5-17.0

#### Critical Range

Adult	< 7 or > 20
Neonatal (0-28 days)	< 7.5 or > 20
Pediatric (up to 15 years)	< 5 or > 20

## Hemoglobinopathy Evaluation (Hemoglobin Electrophoresis)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

#### PowerChart Name

Hemoglobin Electrophoresis

#### If you need help...

Call the Send Outs department at 301-754-7299.

## Heparin Anti-Xa Assay, Plasma

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

#### PowerChart Name

Factor Xa Inhibition

#### If you need help...

Call the Send Outs department at 301-754-7299.

## Heparin Induced Platelet Antibodies

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

#### PowerChart Name

Heparin Induced Platelet Antibody

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Hepatitis A Antibody IgM

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Hepatitis A (HAAB) Antibody IgM

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

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Stat Tests	1 hour
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Routine Tests	4 hours
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**Reference Range**

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$\geq 0.80$	Negative
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$\leq 0.80 < 1.20$	Borderline
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$\leq 5.00$	Reactive
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**Interpretation**

- *Negative*: Indicates a non-reactive sample “Negative” for Hepatitis A Antibody IgM. A negative test result does not exclude the possibility of infection with Hepatitis A virus. Levels of Hepatitis A Antibody IgM may be below the cutoff in early infection.
- *Borderline*: Indicates a “Borderline Reactive” for Hepatitis A Antibody IgM. It is recommended that a new specimen be obtained in two weeks and retested.
- *Reactive*: Indicates a “Reactive” sample and the presence of Hepatitis A Antibody IgM. A reactive Hepatitis A Antibody IgM result does not rule out other infections.

## Hepatitis A Antibody Total

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

Ready? [View this test on the Warde website](#)

### PowerChart Name

Hepatitis A Antibody Total

### If you need help...

Call the Send Outs department at 301-754-7299.

## Hepatitis B Core Antibody IgM

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

### PowerChart Name

Hepatitis B Core Antibody IgM

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

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Stat Tests	1 hour
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---

Routine Tests	4 hours
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### Reference Range

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< 0.9	Negative	Specimen is negative for Hepatitis B Core Antibody IgM.
> 1.10	Reactive	Specimen is presumed to be reactive for Hepatitis B Core Antibody IgM.

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# Hepatitis B Core Antibody Total

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

## PowerChart Name

Hepatitis B Core Antibody Total

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

## Reference Range

< 0.90	Reactive	Specimen is presumed to be reactive for Hepatitis B Core Antibody Total.
> 1.10 and < 4.80	Negative	Specimen is negative for Hepatitis B Core Antibody Total.

# Hepatitis B Surface Antibody

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

## PowerChart Name

Hepatitis B Surface Antibody

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Range**

&lt;td style="vertical-align:top; padding-right:50px;"&gt; &lt; 5.00

Negative	Patient is considered not to be immune to infection with Hepatitis B Virus.
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≥ 5.00 and < 12.0	Indeterminate	Unable to determine if Hepatitis B Surface Antibodies are present at levels with immunity. Patient's immune status should be further assessed by considering clinical information or retesting another specimen drawn at a later date.
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≥ 12.0	Positive	Patient is considered to be immune to infection with HBV.
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**Hepatitis B Surface Antigen****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Hepatitis B Surface Antigen

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

#### Turnaround Time

---

Stat Tests	1 hour
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Routine Tests	4 hours
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#### Reference Range

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< 1.00	Negative	Specimen is presumed negative for Hepatitis B Surface Antigen.
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$\geq 1.00$ and $\leq 5.00$	Reactive	Specimen is reactive for Hepatitis B Surface Antigen. Send Specimen to reference lab for confirmation.
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> 5.00	Positive	Specimen is presumed positive for Hepatitis B Surface Antigen.
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## Hepatitis B Surface Antigen Confirmation

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

#### PowerChart Name

Hepatitis B Surface Antigen Confirmation

#### If you need help...

Call the Send Outs department at 301-754-7299.

## Hepatitis B Virus DNA, Quantitative

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

#### PowerChart Name

Hepatitis B Virus DNA Quantitative

#### If you need help...

Call the Send Outs department at 301-754-7299.

## Hepatitis Be Antibody

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**  
Hepatitis Be Antibody

**If you need help...**  
Call the Send Outs department at 301-754-7299.

## Hepatitis Be Antigen

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

strong>PowerChart Name  
Hepatitis Be Antigen

**If you need help...**  
Call the Send Outs department at 301-754-7299.

## Hepatitis C Antibody

**Specimen Required**  
Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**  
Hepatitis C Antibody

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**  
Room Temperature: 8 hours

**Performed**  
Daily, Continuous

### Turnaround Time

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Stat Tests	1 hour
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Routine Tests	4 hours
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### Reference Range

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< 1.00	Negative	Hepatitis C Antibody IgG is not detected. Patient is presumed not to be infected with Hepatitis
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C.

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≥ 1.00	Reactive	Hepatitis C Antibody is presumed to be infected with Hepatitis C, state or associated disease. Send specimen to reference lab for retesting.
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## Hepatitis C Virus (HCV) RNA, Quantitative

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Hepatitis C Virus RNA (Quant) Viral Load

### If you need help...

Call the Send Outs department at 301-754-7299.

## Herpes Simplex Virus (HSV) IgG and IgM Antibodies

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[Ready? View this test on the Warde website](#)

### PowerChart Name

Herpes Simplex IgG and IgM Antibodies

### If you need help...

Call the Send Outs department at 301-754-7299.

## Herpes Simplex Virus (HSV) Type Specific IgG Antibodies

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Herpes Simplex Virus Type I and II IgG Antibody

### If you need help...

Call the Send Outs department at 301-754-7299.

## Herpes Simplex Virus 1 & 2 PCR

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)



**PowerChart Name**

Herpes Simplex 1 and 2 PCR

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Histoplasma Antibodies Panel, CF/ID**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[Ready? View this test on the Warde website](#)

**PowerChart Name**

Histoplasma Antibody Screen

**If you need help...**

Call the Send Outs department at 301-754-7299.

**HIV 1/2****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

HIV 1 HIV2 Antibody Screen

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

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Stat Tests	1 hour
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Routine Tests	4 hours
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**Reference Range**

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< 0.90	Negative	Specimen is negative for HIV-1 and HIV-2 Antibodies.
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≥ 1.00    Reactive    Specimen is reactive for HIV-1 and/or HIV-2 antibodies. Sent to reference lab for confirmation.

---

**Critical Value**

Positive

## HIV-1 Antibody Confirmation, Western Blot

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

HIV Antibody Confirmation (Western Blot)

**If you need help...**

Call the Send Outs department at 301-754-7299.

## HIV-1 DNA Qualitative (PCR)

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our Instruction Guide for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**Specimen Requirements for Babies**

3 x 0.75 mL EDTA Whole Blood Bullets (microtainers)

**Note:**

This is not a test for the viral load. For the viral load, see [HIV-1 RNA Quantitative](#).

**PowerChart Name**

HIV DNA (PCR)

**If you need help...**

Call the Send Outs department at 301-754-7299.

## HIV-1 RNA, Qualitative

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

HIV 1 RNA Qualitative

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **HIV-1 RNA, Ultra Quantitative**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

HIV 1 RNA UltraQuant

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Homocysteine, Plasma**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Homocysteine Level

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Homovanillic Acid (HVA)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Homovanillic Acid (HVA) 24 Hour Urine

### **If you need help...**

Call the Send Outs department at 301-754-7299.



## **IgG Synthesis Rate/Index CSF**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### **PowerChart Name**

IgG Synthesis and Index

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Imipramine (Tofranil)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### **PowerChart Name**

Imipramine (Tofranil) Level

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Immunofixation Panel, Serum**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website.](#)

### **PowerChart Name**

Immunofixation Panel

### **If you need help...**

Call the Send Outs department at 301-754-7299.

## **Immunoglobulin E (IgE)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website.](#)

**PowerChart Name**

Immunoglobulin E (IgE)

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Influenza Virus A and B PCR**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Influenza A and B PCR

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Influenza Virus Antibodies, Types A and B, IgG, IgM**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Influenza A and B Antibody, IgG and IgM

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Insulin**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Insulin Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Insulin-Like Growth Factor 1**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Insulin Like Growth Factor 1

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Iron

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Iron Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Range**

Female	28.0-170.0 mcg/dL
Male	49.0 -181.0 mcg/dL

## Iron Binding Capacity Profile

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**Components**

[Iron](#), [Percent Saturation](#), [Total Iron Binding Capacity](#), [Transferrin](#)

**PowerChart Name**

Iron Binding Capacity Profile

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Reference Ranges**

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Iron	<a href="#">See Iron</a>
Iron Binding Capacity	<a href="#">See Iron Binding Capacity</a>
SAT Percent Saturation	Female: 9.0 – 55.0 % Male: 13.0-59.0 %
Transferrin	<a href="#">See Transferrin</a>

---

## J

### JC Virus DNA

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

JC Virus DNA Detector (PCR)

**If you need help...**

Call the Send Outs department at 301-754-7299.

## K

### Kappa/Lambda Quantitative Free Light Chains

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Kappa and Lambda Light Chains

**If you need help...**

Call the Send Outs department at 301-754-7299.

### Kleihauer Betke

**Specimen Required**

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 1 full tube.

**Note**

Stains fetal cells but not adult cells. Useful for diagnosing feto-maternal hemorrhage, or determining whether a sample from mother or child. Specimen must be older than 24 hours to be analyzed.

**PowerChart Name**

Fetal HGB Kleihauer Betke

**Rejection Criteria**

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Hemolyzed specimen



- Unlabeled/Mislabeled Specimen

**Stability**

Room Temperature: 24 hours

**Performed**

Daily, Continuous

**Turnaround Time**

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Stat Tests	1 hour
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Routine Tests	4 hours
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**Reference Range**

None established

## L

### LDH – Lactate Dehydrogenase

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Lactate Dehydrogenase (LDH) Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

98.0-192.0 U/L

## LDH – Lactate Dehydrogenase (Body Fluid)

**Specimen Required**

Fluid. Collect fluid in non-preservative tube or container. Deliver to lab immediately.

**PowerChart Name**

Lactate Dehydrogenase (LDH) Body Fluid

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

Not established

## LDH – Lactate Dehydrogenase (CSF/Body Fluid)

**Specimen Required**

Collect fluid in non-preservative tube or container. Deliver to lab immediately.

**PowerChart Name**

Lactate Dehydrogenase (LDH) Body Fluid

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

## Lead, Blood, Quantitative

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Lead Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Lecithin/Sphingomyelin Ratio w/ QI PG

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Lecithin Sphingomyelin (LS) Ratio

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Legionella Culture

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Culture Legionella

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Legionella IgM Antibody, IFA**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Legionella Antibody IgM

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Legionella Pneumophila IgG Antibodies**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Legionella Antibody IgG IgM

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Leptin**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Leptin Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Leukemia/Lymphoma Panel**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Leukemia/Lymphoma Panel

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Lipase

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

**PowerChart Name**

Lipase

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Range**

22.0-51.0 U/L

## Lipid Profile

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**Instructions**

Patient should fast for 12 hours prior to test.

**Components**

[Cholesterol](#), [HDL and LDL](#), [Triglycerides](#) , VLDL

**PowerChart Name**

Lipid Panel

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

## Reference Ranges

Cholesterol	<a href="#">See Cholesterol</a>
Direct HDL	Not Established
Direct LDL	Not Established
Direct VDL	Not Established
Triglycerides	<a href="#">See Triglycerides</a>

## Lipoprotein Electrophoresis

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

## PowerChart Name

Lipoprotein Electrophoresis

## If you need help...

Call the Send Outs department at 301-754-7299.

## Lithium

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

**PowerChart Name**

Lithium Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Therapeutic Range**

Acute Phase	0.8 – 1.5 mEq/L
Steady Phase	0.6 – 1.2 mEq/L

**Toxic Range**

> 2 mEq/L

**Recommended Monitoring**

Prior to next dose

**Indications/Use**

Antipsychotic, Mania

**Liver Function Panel****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**Instructions**

Fasting

**Components**

[Albumin](#), [Alkaline Phosphatase](#), [Alanine Aminotransferase](#), [Asparate Aminotransferase](#), [Direct Bilirubin](#), [Total Bilirubin](#), [Total Protein](#)

### PowerChart Name

Hepatic Function Panel

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

### Reference Ranges

Alanine Aminotransferase	<a href="#">See Alanine Aminotransferase</a>
Albumin	<a href="#">See Albumin</a>
Alkaline Phosphatase	<a href="#">See Alkaline Phosphatase</a>
Asparate Aminotransferase	<a href="#">See Asparate Aminotransferase</a>
Bilirubin, Direct	<a href="#">See Bilirubin Direct</a>
Total Bilirubin	<a href="#">See Total Bilirubin</a>
Total Protein	<a href="#">See Total Protein</a>

## Lupus Anticoagulant

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)



**PowerChart Name**

Lupus Anticoagulant

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Luteinizing Hormone

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Luteinizing Hormone (LH)

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Lyme Disease Antibodies with Reflex to Western Blot

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Lyme Disease Eval w/Reflex to WB

**If you need help...**

Call the Send Outs department at 301-754-7299.

# M

## Magnesium

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

**PowerChart Name**

Magnesium Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Range**

1.6 – 2.4 mg/dL

**Critical Range**

< 1 or > 4\* (\*7.7 for labor and delivery patients ONLY)

## Magnesium, Urine

This test is sent out to Quest Diagnostics in San Juan Capistrano, California. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Magnesium, Random Urine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Malarial Smear

**Specimen Required**

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 3 mL blood.

**PowerChart Name**

Malarial Screening

**Rejection Criteria**

- Clotted specimens
- Specimen collected in heparin
- Unlabeled/Mislabeled Specimen

**Stability**

Room Temperature: 24 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Value**

Negative

## Maternal Serum Alpha-Fetoprotein

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

AFP Maternal OR  
Alpha Fetoprotein Maternal

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Maternal Serum, Quad Screen

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Alpha Fetoprotein Quad Test

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Mephobarbital (Mebaral), Serum

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Mephobarbital Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Metanephrines, Fractionated, Urine (24-Hour)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Metanephrines Fractionation 24 Hour Urine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Metanephrines, Plasma Free**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Metanephrines Fractionated Free Plasma

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Methotrexate**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

[Ready? View this test on the Quest website](#)

**PowerChart Name**

Methotrexate Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Methylmalonic Acid**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Methylmalonic Acid Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Microalbumin

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Microalbumin Random Urine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Microsporidia Detection

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Microsporidia Detection

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Mixing Study

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Mixing Study

**If you need help...**

Call the Send Outs department at 301-754-7299.

## MTHFR Genotyping C677T/A1298C

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

MTHFR C677T A1298C Genotype

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Multiple Sclerosis (MS) Panel**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Multiple Sclerosis (MS) Panel

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **N**

## **Neisseria Gonorrhoeae Nucleic Acid by TMA**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Neisseria Gonorrhoeae RNA

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Neutrophil Cytoplasmic Antibody**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Neutrophil Cytoplasm Antibody ID

**If you need help...**

Call the Send Outs department at 301-754-7299.

## O

### Organic Acids, Urine

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

#### PowerChart Name

Organic Acids Urine

#### If you need help...

Call the Send Outs department at 301-754-7299.

### Osmolality, Serum

#### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

#### PowerChart Name

Osmolality Serum

#### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

#### Stability

Room Temperature: 8 hours

#### Performed

Daily, Continuous

#### Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

#### Reference Range

280.0 – 300.0 mOsm/kg

### Osmolality, Urine

**Specimen Required**

Urine, Non-preservative tube or cup. Minimum Volume: 1 mL.

**Instructions**

Refrigerate if not received within 2 hours.

**PowerChart Name**

Osmolality Urine

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Reference Range**

---

Female	300.0 – 1090.0 mOsm/kg
Male	390.0 – 1090.0 mOsm/kg

---

**Ova and Parasites Routine**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Ova and Parasites

**If you need help...**

Call the Send Outs department at 301-754-7299.



## Ova and Parasites, Comprehensive

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Ova and Parasites Comprehensive (SS)

### If you need help...

Call the Send Outs department at 301-754-7299.

## Oxalate, Urine (24-Hour)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Oxalate 24 Hour Urine

### If you need help...

Call the Send Outs department at 301-754-7299.

## P

## PAP Smear – Surepath

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Pap Smear Diagnostic

### If you need help...

Call the Send Outs department at 301-754-7299.

## PAP Smear – Thin Prep

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Ask Michelle

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **PAP Thinprep w/ High Risk HPV**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

ask michelle

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Parathyroid Hormone, Intra-Operative**

**Specimen Required**

Plasma EDTA, Lavender-Top Tube. Minimum Volume: 10 mL plasma.

**Instructions**

Mix tube gently by inverting 5 times.

**PowerChart Name**

Parathormone (PTH) Intact Intraoperative

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Reference Range**

12 – 88 pg/mL

## Parvovirus B19 IgG, IgM Antibody

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Parvovirus B19 IgG IgM Antibodies

### If you need help...

Call the Send Outs department at 301-754-7299.

## Phenobarbital

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

### PowerChart Name

Phenobarbital Level

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

### Therapeutic Range

15.0 – 35.0 mcg/mL

### Toxic Range

> 40 mcg/mL

### Recommended Monitoring

Based on route and dosage

**Indications/Use**

Sedative, Hypnotic, Anticonvulsant

## Phenylalamine, Blood (PKU)

**Specimen Required**

Whole Blood on filter paper provided for the Newborn Screen form.

**Instructions**

Completely fill all circles on test card with blood. Place a large drop of blood on the form and allow to soak through the filter paper. Do not use capillary tubes. Deliver to lab immediately.

**Note**

- Not valid until protein intake has occurred for forty-eight hours after birth.
- Specimens are shipped daily to county health department for pick up by the state.

**PowerChart Name**

State Newborn Screen

**Rejection Criteria**

- Serum rings present on filter paper.
- Circles not entirely filled.

**Stability**

Room Temperature: 24 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

## Phenytoin (Dilantin)

**Specimen Required**

Serum, Red-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Phenytoin (Dilantin) Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Therapeutic Range**

---

PTN	10.0 – 20.0 mcg/mL
-----	--------------------

---

Free	1-2 mcg/mL
------	------------

---

**Toxic Range**

---

PTN	> 25 mcg/mL
-----	-------------

---

Free	> 3 mcg/mL
------	------------

---

**Recommended Monitoring**

Based on route and dosage

**Indications/Use**

Anticonvulsant

**Phosphatidylserine IgG, IgM, IgA Antibodies**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Phosphatidylserine IgG IgM IgA

**If you need help...**

Call the Send Outs department at 301-754-7299.

# Phosphorus

## Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

## PowerChart Name

Phosphorus Level

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

## Stability

Room Temperature: 8 hours

## Performed

Daily, Continuous

## Turnaround Time

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

## Normal Range

2.40 – 4.30 mg/dL

## Critical Range

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Adult	< 1.2
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---

Neonatal (0-28 days)	< 2 or > 9
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---

Pediatric (Up to 15 years)	< 2 or > 9
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# Phosphorus, Random Urine

## Specimen Required

Urine, Plain Non-Preservative Cup or Tube. Minimum Volume: 1 mL urine.

## PowerChart Name

Phosphorus Random Urine

## Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

Not established

## Plasma Cell Neoplasia Followup Panel

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Plasma Cell Neoplasia Followup Panel

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Platelet Antibody Direct

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Platelet Antibody Direct

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Platelet Count, Automated and Manual

**Specimen Required**

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 1 full tube.

**Instructions**

- Mix gently.
- For manual platelet count, please contact the lab.

**PowerChart Name**

Platelet Count

**Rejection Criteria**

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Hemolyzed specimen
- Unlabeled/Mislabeled Specimen

**Stability**

Room Temperature: 24 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

---

< 3 days	120-440 K/uL
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---

> 3 days	140 – 440 K/uL
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**Critical Values**

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Adult:	<50,000 or >1,000,000
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OB patients:	<50,000 or >600,000
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Pre-Op:	<50,000 or >600,000
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Pediatric (up to 15 years old):	<50,000 or >1,000,000
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Neonatal:	<50,000 or >1,000,000
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---

**Porphobilinogen, Urine, Quantitative**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.



[View this test on the Warde website](#)

**NOTE:** PROTECT SPECIMEN FROM LIGHT DURING COLLECTION AND DURING TRANSPORT TO WARDE LABORATORY.

**PowerChart Name**

Porphobilinogen 24 Hour Urine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Porphyrins, Quantitative, Urine**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Porphyrins Quantitative Fraction 24 Hour Urine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## **Potassium**

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Potassium Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

3.8 – 5.2 mmol/L

**Critical Range**

---

Adult	< 3 or > 6
-------	------------

---

Neonatal (0-28 days)	< 2.5 or > 7
----------------------	--------------

---

Pediatric (Up to 15 years)	< 2.5 or < 6.5
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## Potassium, Random Urine

**Specimen Required**

Urine, Plain Non-Preservative Cup or Tube. Minimum Volume: 1mL urine.

**PowerChart Name**

Potassium Random Urine

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

Not established

## Pregnancy Test, Qualitative, Blood

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Pregnancy test Qualitative Blood

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Values**

---

Male and Female (Non-pregnant)	Negative
--------------------------------	----------

---

Female (Pregnant)	Positive
-------------------	----------

---

## Pregnancy Test, Qualitative, Urine

**Specimen Required**

Urine, Plain Non-Preservative Cup or Tube. Minimum Volume: 1 mL urine.

**PowerChart Name**

Pregnancy test Urine

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Values**

---

Male and Female (Non-pregnant)	Negative
--------------------------------	----------

---

Female (Pregnant)	Positive
-------------------	----------

---

**Procainamide**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Procainamide with N-acetylprocainamide Levels

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Prostate Specific Antigen (PSA)****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Prostatic Specific Antigen

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

Male: 0.000 – 4.000 ng/mL

## Protein Electrophoresis Serum

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Protein Electrophoresis Serum

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Prothrombin 20210A Mutation Analysis

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Prothrombin 20210 Variant

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Prothrombin Time (PT)

**Specimen Required**

Citrated Plasma, Blue-Top Tube. Minimum Volume: 1 full tube blood.

**Instructions**

- Flush heparin Lock or heparinized line with at least 20mL of blood before specimen is obtained.
- Fill tube to capacity.
- If citrate solution in tube is cloudy or contains precipitate, do not use.
- Test must be run within 4 hours of draw.

**PowerChart Name**

Prothrombin Time

**Rejection Criteria**

- Clotted specimens
- Collected in incorrect tube
- Unlabeled/Mislabeled Specimen
- Specimens with inadequate volume (less than 90% filled)
- Overfilled tubes

**Stability**

Room Temperature: 4 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Normal Range**

9.2 – 12.4 seconds

**Critical Range**

All ages	< 29*
Pre-op	> 16

**\*Note**

If the patient is not on Coumadin, panic value will be called based on PT alone (ignoring INR). If the patient is on Coumadin, panic value will be called based on INR alone (ignoring PT). If no documentation of Coumadin therapy, panic value will be called on either PT or INR.

**Pseudochoolinesterase**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Pseudochoolinesterase Dibucaine Inhibition

**If you need help...**

Call the Send Outs department at 301-754-7299.

**PT/PTT**

**Specimen Required**

Citrated Plasma, Blue-Top Tube. Minimum Volume: 1 full tube.

### Instructions

- Flush heparin Lock or heparinized line with at least 20mL of blood before specimen is obtained.
- Fill tube to capacity.
- If citrate solution in tube is cloudy or contains precipitate, do not use.
- Test must be run within 4 hours of draw.

### Components

[Prothrombin Time, Activated Partial Thromboplastin Time \(APTT\)](#)

### Rejection Criteria

- Clotted specimens
- Collected in incorrect tube
- Unlabeled/Mislabeled Specimen
- Specimens with inadequate volume (less than 90% filled)
- Overfilled tubes

### Stability

Room Temperature: 4 hours

### Performed

Daily, Continuous

### Turnaround Time

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

### Reference Range

---

Prothrombin Time	<a href="#">See Prothrombin Time</a>
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---

Activated Partial Thromboplastin Time	<a href="#">See Activated Partial Thromboplastin Time</a>
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## Q

### Q Fever Total Antibodies

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

#### PowerChart Name

Q Fever Antibody IgG IgM

#### If you need help...

Call the Send Outs department at 301-754-7299.

### Quantiferon-TB (ITM)

#### Preferred Specimens

1 mL whole blood collected in Quest unique QTF-Nil, QTF-TB AG and QTF-Mitogen tubes (1 red, 1 gray, 1 lavender).

**NOTE:** Tubes will NOT fill to the top, but only to the black line marking at 1 ml. Call Phlebotomy (301-754-5244) or Send Outs (301-754-7299) for proper supplies.

#### Collection Instructions

1. Collect 1 mL of blood by venipuncture directly into each of the three (3) unique QuantiFERON®-TB Gold IT blood collection tubes. Tubes must be at room temperature prior to collection. Under or overfilling of the tubes may lead to erroneous results.
2. Immediately after filling, shake tubes ten (10) times just firmly enough to ensure that the inner surface of the tube is coated in blood (to dissolve antigens on the walls.) **Note: Over-energetic shaking may cause gel disruption and could lead to aberrant results.**
3. Do not centrifuge. Results are sent STAT to Quest diagnostics.

#### Specimen Stability

- Room temperature: 72 hours

#### Rejection Criteria

- >16 hours without being received at Quest for incubation
- Frozen or centrifuged specimens
- Specimens not collected in QuantiFERON®Gold-IT blood collection tubes

#### Note

This test is performed by Quest Diagnostics Nichols Institute, Chantilly, VA.

#### Reference Range

Negative



# R

## Rapid HIV

### Specimen Required

- Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 1 mL blood. **AND**
- Serum, Red-Top Tube. Minimum Volume: 1 mL serum.

### PowerChart Name

HIV Rapid Test

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

### Performed

Daily, Continuous

### Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

### Normal Value

Non-reactive

### Interpretation

Non-Reactive	HIV-1 and HIV-2 antibodies were not detected in the specimen. The test result is interpreted as NEGATIVE for HIV-1 and HIV-2 antibodies.
Reactive	HIV-1 and/or HIV-2 antibodies have been detected in the specimen. The test result is interpreted as PRELIMINARY POSITIVE for HIV-1 and/or HIV-2 antibodies.

## Renal Function Panel

### Specimen Required

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**Instructions**

Fasting

**Components**

[Albumin](#), [Calcium](#), [Carbon Dioxide](#), [Chloride](#), [Creatinine](#), [Glucose](#), [Phosphorus](#), [Potassium](#), [Sodium](#), [Urea Nitrogen](#)

**PowerChart Name**

Renal Function Panel

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Ranges**

Albumin	<a href="#">See Albumin</a>
Calcium	<a href="#">See Calcium</a>
Carbon Dioxide	<a href="#">See Carbon Dioxide</a>
Chloride	<a href="#">See Chloride</a>
Creatinine	<a href="#">See Creatinine</a>
Estimated Glomerular Filtration Rate	Not Established
Glucose	<a href="#">See Glucose</a>
Potassium	<a href="#">See Potassium</a>
Sodium	<a href="#">See Sodium</a>
Phosphorous	<a href="#">See Phosphorous</a>

## Renin Activity, Plasma

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Renin Level

### If you need help...

Call the Send Outs department at 301-754-7299.

## Reptilase

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Mephobarbital Level

### If you need help...

Call the Send Outs department at 301-754-7299.

## Reticulocyte Count

### Specimen Required

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 3 mL.

### PowerChart Name

Reticulocyte Count Automated

### Rejection Criteria

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Hemolyzed specimen
- Unlabeled/Mislabeled Specimen

### Stability

Room Temperature: 24 hours

### Performed

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Ranges**

	Female	Male
Birth	4.43-6.90	4.43-6.90
15 days	1.35-3.03	1.35-3.02
31 days	2.70-4.43	2.70-4.43
61 days	1.97-3.45	1.97-3.45
6 months	1.26-2.32	1.26-2.32
2 years	1.04-1.85	1.04-1.85
6 years	1.24-2.47	1.24-2.47
12 years	1.14-1.90	1.14-1.90
18 years	1.09-1.73	1.09-1.73
Adult	0.9-2.0	0.9-2.0

**Rickettsia Rickettsii (Rocky Mountain Spotted Fever) Antibodies, IgG & IgM**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Rickettsia Rickettsii IGG, IGM **OR** Rocky Mountain Spotted Fever Ab IgG IgM

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Rickettsia Rickettsii & TYPHI IgG & IgM Antibodies Evaluation**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Rickettsia and Typhi Ab IgG and IgM

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Rubella IgG Antibody

**Specimen Required**

Serum, Gold-top tube. Minimum volume: 2 mL.

**Powerchart Name**

Rubella Antibody IgG

**Stability**

- Room Temperature: 8 hours
- Refrigerated: 48 hours
- If more than 48 hours, freeze.
- Thaw once.

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Test Performed**

Daily, continuous.

**Report Available**

Same day results reporting.

**Turnaround Time**

Routine tests: 4 hours.

**Reference Range**

< 10 IU/mL	<i>Negative</i> – non immune.
< 15 IU/mL	<i>Equivocal</i> – Immunity status cannot be determined.
=> 15 IU/mL	<i>Positive</i> – Presumed immunity to rubella virus.

**Results Interpretation**

IgG antibody to rubella detected, which may indicate a current or previous exposure/immunization to rubella. Rubella IgG antibody can be formed following rubella infection or after rubella vaccination. A reactive result is consistent with immune status to rubella virus. Non-reactive and equivocal results indicates non-immune or equivocal immune status to rubella.

**Alternate Name(s)**

German Measles

## S

### Saccharomyces Cerevisiae IgG & IgA Antibodies

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Saccharomyces cerevisiae IgG IgA Antibody

**If you need help...**

Call the Send Outs department at 301-754-7299.

### Salicylate (Aspirin)

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Salicylate Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Therapeutic Range**

2.0-20.0 mg/dL

**Toxic Range**

> 40.0 mg/dL

**Recommended Monitoring**

Based on use and dosage

## Salicylate, UA

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Salicylate Clinical Urine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Sedimentation Rate Westergren

**Specimen Required**

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 3 mL.

**PowerChart Name**

Sedimentation Rate rbc

**Rejection Criteria**

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Unlabeled/Mislabeled Specimen

**Stability**

Room Temperature: 24 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

### Normal Ranges

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< 15 years	0 – 10 MM/HR
------------	--------------

---

< 49 years, Female	0 – 20 MM/HR
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---

< 49 years, Male	0 – 15 MM/HR
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---

> 49 years, Female	0 – 30 MM/HR
--------------------	--------------

---

> 49 years, Male	0 – 20 MM/HR
------------------	--------------

---

## Selenium, Serum

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**NOTE:** This test requires a special dark blue tube with purple EDTA label. Contact phlebotomy (5244) or Send-Out (7299) to obtain appropriate tube before drawing.

### PowerChart Name

Selenium Level

### If you need help...

Call the Send Outs department at 301-754-7299.

## Serotonin, Serum

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Serotonin Level

### If you need help...

Call the Send Outs department at 301-754-7299.

## Sjogren's Antibodies (SSA/SSB)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.



[View this test on the Warde website](#)

**PowerChart Name**

Sjogren's Antibodies (SSA/SSB)

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Smith Antibody (Anti-SM)**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Anti Smith Antibody

**If you need help...**

Call the Send Outs department at 301-754-7299.

**Sodium**

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Sodium Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Normal Range**

135.0 – 145.0 mmol/L

### Critical Ranges

Adult	< 125 or > 155
Neonatal (0-28 days)	< 130 or > 155
Pediatric (Up to 15 years)	< 120 or > 160

## Sodium, Urine

### Specimen Required

Urine, Plain Non-Preservative Tube or Cup. Minimum Volume: 1 mL urine.

### PowerChart Name

Sodium Random Urine

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 2 hours

### Performed

Daily, Continuous

### Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

## Stone Analysis

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Stone Analysis (Non Kidney) Calculus

### If you need help...

Call the Send Outs department at 301-754-7299.

## Stone Analysis without Image

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

### PowerChart Name

Stone Analysis Kidney Calculus

### If you need help...

Call the Send Outs department at 301-754-7299.

## Stool Reducing Substances

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

### PowerChart Name

Reducing Substances Feces

### If you need help...

Call the Send Outs department at 301-754-7299.

## Stroke Profile

### Specimen Required

- Serum, Gold-Top Tube. Minimum Volume: 3 mL serum. **AND**
- Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 1 full tube. **AND**
- Plasma, Green-Top Tube. Minimum Volume: 1 mL plasma.

### Components

[Basic Metabolic Profile](#), [CBC \(no diff\)](#) , [CK MB Fraction](#), [Creatine Kinase](#), [Partial Thromboplastin Time](#), [Prothrombin Time](#), [Troponin](#)

### PowerChart Name

Stroke Panel

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Ranges**

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Troponin I	<a href="#">See Troponin I</a>
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Creatine Kinase MB	<a href="#">See Creatine Kinase MB</a>
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PT/PTT	<a href="#">See PT/PTT</a>
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## T

### Tacrolimus (FK506)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the [Warde Website](#).

[View this test on the Warde website](#)

**PowerChart Name**

Tacrolimus (FK506) Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

### Teichoic Acid Antibodies

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the [Warde Website](#).

[View this test on the Warde website](#)

**PowerChart Name**

Teichoic Acid Antibody

**If you need help...**

Call the Send Outs department at 301-754-7299.

### Template Bleeding Time

**Specimen Required**

Performed at bedside.

**PowerChart Name**

Bleeding Time Ivy

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Reference Range**

2.5 – 9.5 minutes

## Theophylline

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Theophylline Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Values**

5.0 – 20.0 mcg/mL

**Critical Values**

> 20.0 mcg/mL

## Thiocyanate

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Thiocyanate Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Thyroglobulin Antibody

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Thyroglobulin Antibody

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Thyroglobulin

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Thyroglobulin Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Thyroid Antibody Panel

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Thyroid Antibody Panel

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Thyroid Stimulating Hormone (TSH)

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Thyroid Stimulating Hormone

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Range**

0.340 – 5.600 mIU/L

## Torch IgG Screen

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Torch Screen IgG

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Torch IgM

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Torch Screen IgM

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Total Iron Binding Capacity

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Iron Binding Capacity

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Range**

277.0 – 436.0 mcg/dL

## Total Protein, 24-Hour Urine

**Specimen Required**

Urine, 24-Hour Urine Jug. Minimum Volume: 1mL urine.

**Instructions**

Refrigerate during collection. Note start and end times on urine jug.



**PowerChart Name**

Protein 24 Hour Urine

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Reference Ranges**

40.0 – 150.0 mg/24 hour

**Total Protein, Body Fluid****Specimen Required**

Fluid, Fluid tube. Minimum Volume: 2 mL fluid.

**PowerChart Name**

Protein Body Fluid

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

---

Routine Tests	4 hours
---------------	---------

---

## Total Protein, CSF

### Specimen Required

CSF, CSF Tube. Minimum Volume: 1 mL CSF.

### Instructions

Deliver to lab immediately.

### PowerChart Name

Protein CSF

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

### Stability

Room Temperature: 2 hours

### Performed

Daily, Continuous

### Turnaround Time

---

Stat Tests	1 hour
------------	--------

---

### Normal Range

12.0-60.0 mg/dL

## Total Protein, Random Urine

### Specimen Required

Urine, Non-Preservative Cup or Tube. Minimum Volume: 1mL urine.

### PowerChart Name

Protein Random Urine

### Rejection Criteria

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Range**

0.0 – 13.9 mg/dL

**Total Protein, Serum****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Protein

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Range**

6.3 – 8.5 g/dL

**Total T-3**

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

T3 (Triiodothyronine) Total

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

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Stat Tests	1 hour
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Routine Tests	4 hours
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**Normal Range**

0.970 – 1.690 ng/mL

**Total T-3 Uptake****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

T3 Uptake

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
---------------	---------

---

**Normal Range**

32.0 – 48.4 %

**Total T-4****Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

T4 (Thyroxine) Total

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
---------------	---------

---

**Normal Range**

180.00 – 382.00 mg/dL

**Toxicology and Volatiles Screen**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Toxicology and Volatiles Screen

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Transferrin

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Transferrin

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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**Normal Range**

180.00 – 382.00 mg/dL

## Treponema Pallidum Antibody (FTA)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

FTA Absorbed

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Tricyclics ID/Quant

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Tricyclic Antidepressant Level Quant

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Triglycerides

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**Instructions**

Patients should fast for at least 12 hours before collection.

**PowerChart Name**

Triglycerides

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

---

**Normal Ranges**

None established

## Troponin I

**Specimen Required**

Plasma, Green-Top Tube. Minimum Volume: 1 mL plasma.

**PowerChart Name**

Troponin I

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Ranges**

0.00 – 0.03 ng/ml	Normal
0.04 – 0.11 ng/ml	Possible Myocardial Injury
≥ 0.12 ng/mL	Highly Suggestive of Myocardial Injury

**Critical Ranges**

Adult	> 0.04
Neonatal (0-28 days)	> 0.04
Pediatric (Up to 15 years)	> 0.04

**Interpretation**

Troponin results should be interpreted in light of the clinical presentation of the patient, including symptoms, clinical history, clinical examination, electrocardiogram (ECG), data from additional tests, and other appropriate information. Medical decisions should not be based on a single Troponin determination.

**Trypsin, Serum**

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.



Ready? [View this test on the Quest website](#)

**PowerChart Name**

Trypsin Serum

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Trypsinogen

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Trypsinogen

**If you need help...**

Call the Send Outs department at 301-754-7299.

# U

## Urea Nitrogen

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL.

**PowerChart Name**

BUN

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Normal Range**  
7.0 – 22.0 mg/dL

## Urea Nitrogen, 24-Hour Urine

**Specimen Required**  
Urine, 24-Hour Jug. Minimum Volume: 1mL urine.

**Instructions**  
Refrigerate during 24-Hour collection. Note the start and end times of collection on jug.

**PowerChart Name**  
Urea Nitrogen 24 Hour Urine

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**  
Room Temperature: 2 hours

**Performed**  
Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Range**  
12000.0-20000.0

## Urea Nitrogen, Urine Random

**Specimen Required**  
Urine, Non-Preservative Cup or Tube. Minimum Volume: 1mL urine.

**PowerChart Name**  
Urea Nitrogen Random Urine

**Rejection Criteria**

- Unlabeled/Mislabeled Specimens

- Collected in incorrect tube.

**Stability**

Room Temperature: 2 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
------------	--------

---

Routine Tests	4 hours
---------------	---------

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**Normal Range**

Not established

## Ureaplasma/Mycoplasma Culture, Genital

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Mycoplasma and Ureaplasma Culture

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Uric Acid

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Uric Acid

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube.

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Normal Ranges**

< 15 years	2.0 – 7.0 mg/dL
> 15 years, Female	2.5 – 6.2 mg/dL
> 15 years, Male	3.6 – 8.0 mg/dL

**Critical Ranges**

Adult	> 13 mg/dL
Neonatal (0-28 days)	> 9 mg/dL
Pediatric (Up to 15 years)	> 9 mg/dL

## Uric Acid, Urine

This test is sent out to Quest Diagnostics via Warde Medical Labs in Ann Arbor, MI. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

[View this test on the Quest website](#)

**PowerChart Name**

Uric Acid Random Urine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## V

## Valproic Acid (Depakene)

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Valproic Acid (Depakene) Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

---

Stat Tests	1 hour
Routine Tests	4 hours

---

**Therapeutic Range**

50-100 mcg/mL

**Toxic Range**

> 175 mcg/mL

## Vancomycin

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**Instructions**

Specify the dosage history, whether peak or trough. Write time drawn on specimen label.

**PowerChart Name**

Vancomycin Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube.

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

---

**Turnaround Time**

---

Stat Tests	1 hour
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---

Routine Tests	4 hours
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**Therapeutic Ranges**

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Adult	Trough: 15-20 mcg/mL * Peak: 20-40 mcg/mL
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Neonate	Trough: 5-10 mcg/mL * Peak: 20-40 mcg/mL
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**Toxic Ranges**

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Adult	Trough: > 20 mcg/mL * Peak: > 40 mcg/mL
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Neonate	Trough: > 12 mcg/mL * Peak: > 40 mcg/mL
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**\*Note**

Trough vancomycin concentrations of 15-20 mcg/mL are recommended for complicated MRSA related infections such as bacteraemia, osteomyelitis, endocarditis, meningitis, and healthcare-associated pneumonia.

## Vanillylmandelic Acid (VMA) – Urine (24-Hour)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Vanillylmandelic Acid (VMA) Urine

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Varicella Zoster Virus DNA, Qual, PCR

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Varicella Zoster Virus DNA Qualitative

**If you need help...**

Call the Send Outs department at 301-754-7299.

## VDRL, CSF

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**NOTE:** If the result is reactive, a VDRL titer will be automatically added.

**PowerChart Name**

VDRL CSF Qualitative

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Viscosity, Serum

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Viscosity Blood

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Vitamin A (Retinol)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Vitamin A (Retinol) Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Vitamin B12

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 3 mL serum.

**PowerChart Name**

Vitamin B12 Level

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Hemolyzed Specimen
- Collected in incorrect tube.

**Stability**

Room Temperature: 8 hours

**Performed**

Daily, Continuous

**Turnaround Time**

Stat Tests	1 hour
Routine Tests	4 hours

**Reference Range**

180-914 pg/mL

## Vitamin D

**Specimen Required**

Serum, Gold-Top Tube. Minimum Volume: 0.8 mL serum.

**Instructions**

- Allow serum samples to clot completely before centrifugation in an upright position. (Clotting may be slowed at cooler temperatures, or if patient is on anticoagulant therapy.)
- Physically separate serum or plasma from contact with cells as soon as possible.

**Rejection Criteria**

- Unlabeled/Mislabeled Specimen
- Collected in incorrect tube.
- Hemolyzed Specimen
- Lipemic Specimen

**Stability**

- Room Temperature: 8 hours
- Refrigerated (2-10°C): 7 days
- Thaw samples no more than 3 times

**Performed**



Daily, Continuous

**Turnaround Time**

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Stat Tests	1 hour
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Routine Tests	4 hours
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## Vitamin E (Tocopherol)

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Vitamin E (Alpha-Tocopherol) Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Vitamin K

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Vitamin K Level

**If you need help...**

Call the Send Outs department at 301-754-7299.

## Von Willebrand Profile

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

**PowerChart Name**

Von Willebrand Profile

**Components**

See link for component tests.

**If you need help...**

Call the Send Outs department at 301-754-7299.

## W

### West Nile Virus Antibodies

This test is sent out to Warde Laboratory in Ann Arbor, Michigan.

It includes two tests from Warde. To view collection requirements please refer to both tests on Warde's Website:

- [West Nile Virus Antibody IgG](#)
- [West Nile Virus Antibody IgM](#)

#### PowerChart Name

West Nile Virus Antibody

#### If you need help...

Call the Send Outs department at 301-754-7299.

### West Nile Virus RNA, CSF

This test is sent out to Quest Diagnostics in Chantilly, Virginia. For more information about this test, please read our [Instruction Guide](#) for looking up test requirements on the Quest Website.

Ready? [View this test on the Quest website](#)

#### PowerChart Name

West Nile Virus RNA CSF

#### If you need help...

Call the Send Outs department at 301-754-7299.

### White Blood Cell Count

#### Specimen Required

Whole Blood EDTA, Lavender-Top Tube. Minimum Volume: 3 mL.

#### PowerChart Name

WBC count

#### Rejection Criteria

- Clotted specimens
- Specimens with inadequate volume (less than 1.0 ml)
- Specimen collected in heparin
- Hemolyzed specimen
- Unlabeled/Mislabeled Specimen

#### Stability

Room Temperature: 24 hours

**Performed**

Daily, Continuous

**Turnaround Time**

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Stat Tests	1 hour
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Routine Tests	4 hours
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**Reference Ranges**

	Female	Male
Birth	8.16-14.56	8.04-15.40
15 days	8.36-14.42	7.80-15.40
31 days	7.05-14.68	8.14-14.99
61 days	6.00-13.25	6.51-13.32
6 months	6.48-13.02	5.98-13.51
2 years	4.86-13.18	5.14-13.38
6 years	4.27-11.40	4.31-11.00
12 years	4.19-9.43	3.84-9.84
18 years	4.37-9.68	3.91-8.77
Adult	4.5-11.0	4.5-11.0

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**Critical Values**

All ages: &lt;2,000 uL or &gt;30,000 uL

**Z****Zinc**

This test is sent out to Warde Medical Lab in Ann Arbor, Michigan. For more information about this test, please see the test requirements on the Warde Website.

[View this test on the Warde website](#)

**PowerChart Name**

Zinc Level

**If you need help...**

Call the Send Outs department at 301-754-7299.