



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

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

Performed

Daily, Continuous

Turnaround Time

Stat Tests	1 hour
Routine Tests	4 hours

Recommended Monitoring

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

Reference Range

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

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

Stat Tests	1 hour
Routine Tests	4 hours

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

Stat Tests	1 hour
Routine Tests	4 hours

Reference Range

23.8-35.4 seconds

Critical Range

Adult:	>89 seconds
Adult (Pre-op):	>45 seconds
Pediatric (0-15 years):	>80 seconds
Neonatal (0-28 days):	>80 seconds

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

Stat Tests	1 hour
Routine Tests	4 hours

Reference Ranges

Hep B Surface AG	See Hepatitis B Surface Antigen
Hepatitis B Core Antibody, IgM	See Hepatitis B Core Antibody IgM
Hepatitis C Virus AB	See Hepatitis C Antibody
Hepatitis A Antibody, IgM	See Hepatitis A Antibody IgM

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

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

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

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
Routine Tests	4 hours

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
Routine Tests	4 hours

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
------------	--------

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

Reference Range

< 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

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

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

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

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

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

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

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
Routine Tests	4 hours

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

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

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

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

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

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

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

Stat Tests	1 hour
Routine Tests	4 hours

Reference Ranges

Glucose	See Glucose
Sodium	See Sodium
Potassium	See Potassium
Chloride	See Chloride
Carbon Dioxide	See Carbon Dioxide
Anion Gap without Potassium	Not established
Calcium	See Calcium
Urea Nitrogen	See Urea Nitrogen
Creatinine	See Creatinine
Estimated Glomerular Filtration Rate	Not Established

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
Routine Tests	4 hours

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

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

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

Reference Range

< 29 days	0.60 – 11.10 mg/dL
-----------	--------------------

> 29 days	0.30 – 1.20 mg/dL
-----------	-------------------

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
------------	--------

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

Reference Range

Neonatal Bilirubin	0.60 – 11.10 mg/dL
--------------------	--------------------

Direct Bili (Newborn)	0.00 – 0.60 mg/dL
-----------------------	-------------------

Indirect Bili (NB)	0.60-10.50 mg/dL
--------------------	------------------

Critical Values

Neonatal	>20
----------	-----

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

Stat Tests	1 hour
Routine Tests	4 hours

Reference Range

Fluid Specific Gravity	Not Established
Fluid Nucleated Cells	Not Established
Fluid RBC	Not Established
Synovial Fluid Crystals	Not Established
Synovial Fluid Viscosity	Not Established
Fluid Differential	Not Established

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

Stat Tests	1 hour
Routine Tests	4 hours



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
Routine Tests	4 hours

Normal Range

< 28 days	7.8-11.0 mg/dL
< 15 years	6.0-14.0 mg/dL
> 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	See Creatine Kinase MB
--------------------	--

Troponin I	See Troponin I
------------	--------------------------------

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**

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

Adult	<75 or >126
-------	-------------

Neonatal (0-28 days)	<86 or >125
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	See Glucose
Sodium	See Sodium
Potassium	See Potassium
Chloride	See Chloride
Carbon Dioxide	See Carbon Dioxide
Anion Gap without Potassium	Not established
Calcium	See Calcium
Estimated Glomerular Filtration Rate	Not Established
Total Protein	See Total Protein
Albumin	See Albumin
Globulins, Total	Not Established
A/G Ratio	1.4-1.9 mg/dL
Alkaline Phosphatase	See Alkaline Phosphatase

Aspirate Aminotransferase	See Asparate Aminotransferase
Alanine Aminotransferase	See Alanine Aminotransferase
Total Bilirubin	See Total Bilirubin
Urea Nitrogen	See Urea Nitrogen
Creatinine	See Creatinine

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:
 - o Collection start and end times.

- o 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
Routine Tests	4 hours

Reference Range

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

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, Phenylcyclidine

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
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
Carbon Dioxide	See Carbon Dioxide
Chloride	See Chloride
Potassium	See Potassium
Sodium	See Sodium

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

EOS Absolute		
	Female	Male
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
------------	--------

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.



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

Citratated 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
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

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
Routine Tests	4 hours

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

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

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

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
------------	--------

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

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
Routine Tests	4 hours

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

Stat Tests	1 hour
Routine Tests	4 hours

Normal Range

40.0-70.0 mg/dL

Critical Range

Adult	< 37 or > 438
Neonatal (0-28 days)	< 30 or > 438
Pediatric (up to 15 years)	< 40 or > 438

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
------------	--------

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

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
Routine Tests	4 hours

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

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

Stat Tests	1 hour
Routine Tests	4 hours

Reference Range

≥ 0.80	Negative
$\leq 0.80 < 1.20$	Borderline
≤ 5.00	Reactive

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

Stat Tests	1 hour
Routine Tests	4 hours

Reference Range

< 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.

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

<td style="vertical-align:top; padding-right:50px;"> < 5.00

Negative	Patient is considered not to be immune to infection with Hepatitis B Virus.	
≥ 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.
≥ 12.0	Positive	Patient is considered to be immune to infection with HBV.

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
------------	--------

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

Reference Range

< 1.00	Negative	Specimen is presumed negative for Hepatitis B Surface Antigen.
--------	----------	--

≥ 1.00 and ≤ 5.00	Reactive	Specimen is reactive for Hepatitis B Surface Antigen. Send Specimen to reference lab for confirmation.
-----------------------------	----------	--

> 5.00	Positive	Specimen is presumed positive for Hepatitis B Surface Antigen.
--------	----------	--

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

Stat Tests	1 hour
Routine Tests	4 hours

Reference Range

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

C.

≥ 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.
--------	----------	---

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

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

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

Reference Range

< 0.90	Negative	Specimen is negative for HIV-1 and HIV-2 Antibodies.
--------	----------	--

≥ 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

Iron	See Iron
Iron Binding Capacity	See Iron Binding Capacity
SAT Percent Saturation	Female: 9.0 – 55.0 % Male: 13.0-59.0 %
Transferrin	See Transferrin

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

Stat Tests	1 hour
Routine Tests	4 hours

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
------------	--------

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	See Cholesterol
Direct HDL	Not Established
Direct LDL	Not Established
Direct VDL	Not Established
Triglycerides	See Triglycerides

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	See Alanine Aminotransferase
Albumin	See Albumin
Alkaline Phosphatase	See Alkaline Phosphatase
Asparate Aminotransferase	See Asparate Aminotransferase
Bilirubin, Direct	See Bilirubin Direct
Total Bilirubin	See Total Bilirubin
Total Protein	See Total Protein

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

Adult	< 1.2
Neonatal (0-28 days)	< 2 or > 9
Pediatric (Up to 15 years)	< 2 or > 9

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
> 3 days	140 – 440 K/uL

Critical Values

Adult:	<50,000 or >1,000,000
OB patients:	<50,000 or >600,000
Pre-Op:	<50,000 or >600,000
Pediatric (up to 15 years old):	<50,000 or >1,000,000
Neonatal:	<50,000 or >1,000,000

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

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.

Pseudocholinesterase

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

Pseudocholinesterase 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	See Prothrombin Time
Activated Partial Thromboplastin Time	See Activated Partial Thromboplastin Time

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	See Albumin
Calcium	See Calcium
Carbon Dioxide	See Carbon Dioxide
Chloride	See Chloride
Creatinine	See Creatinine
Estimated Glomerular Filtration Rate	Not Established
Glucose	See Glucose
Potassium	See Potassium
Sodium	See Sodium
Phosphorous	See Phosphorous

Urea Nitrogen

[See Urea Nitrogen](#)

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

< 15 years	0 – 10 MM/HR
< 49 years, Female	0 – 20 MM/HR
< 49 years, Male	0 – 15 MM/HR
> 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

Troponin I	See Troponin I
Creatine Kinase MB	See Creatine Kinase MB
PT/PTT	See PT/PTT

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

Stat Tests	1 hour
Routine Tests	4 hours

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
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
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
Routine Tests	4 hours

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

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
Routine Tests	4 hours

Therapeutic Ranges

Adult	Trough: 15-20 mcg/mL * Peak: 20-40 mcg/mL
Neonate	Trough: 5-10 mcg/mL * Peak: 20-40 mcg/mL

Toxic Ranges

Adult	Trough: > 20 mcg/mL * Peak: > 40 mcg/mL
Neonate	Trough: > 12 mcg/mL * Peak: > 40 mcg/mL

*Note

Trough vancomycin concentrations of 15-20 mcg/mL are recommended for complicated MRSA related infections such as bactremia, 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

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

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

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

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

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

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

Critical Values

All ages: <2,000 uL or >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.