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Hematology – General

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
CBC (Complete Blood Count)	CBC	4.0 mL **lavender top** K2EDTA tube 500 uL K2EDTA Microtainer lavender top Cord Blood (K_2EDTA-Lavender)	**Required Sample Volume:** 2 mL of EDTA whole blood All short draw collections (<1mL), should be identified to allow the Technologist to perform specimen integrity checks prior to analysis. **Stability**: < 24 hours **Sample Preparation:** Send original EDTA Vacutainer. If a delay of greater than 4 hours is anticipated, sample should be refrigerated. **Sample Transportation:** Place and send the original unspun tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples that are greater than 24 hours, clotted, or with excessive hemolysis will be rejected	STAT: 1 hour Routine: 4 hours
Reticulocyte Count	RET	4.0 mL **lavender top** K2EDTA tube 500 uL K2EDTA Microtainer lavender top Cord Blood (K_2EDTA-Lavender)	**Required Sample Volume:** 2 mL of EDTA whole blood All short draw collections (<1mL), should be identified to allow the Technologist to perform specimen integrity checks prior to analysis. **Stability**: < 24 hours **Sample Preparation:** Send original EDTA Vacutainer. If a delay of greater than 4 hours is anticipated, sample should be refrigerated. **Sample Transportation:** Place and send the original unspun tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples that are greater than 24 hours, clotted, or with excessive hemolysis will be rejected **EGH:** Must be collected Monday – Friday prior to sending parcel, or Monday to Thursday after 1400 hours. **CHS**: Must be collected Monday – Friday in AM prior to Purolator pick up. No afternoon or weekend collections.	STAT: 1 hour Routine: 4 hours
Blood for Peripheral Smear	MDIFF or automatically reflexed.	4.0 mL **lavender top** K2EDTA tube 500 uL K2EDTA Microtainer	**Required Sample Volume:** 2 mL of EDTA whole blood All short draw collections (<1mL), should be identified to allow the Technologist to perform specimen integrity checks prior to analysis. **Stability**: < 4 hours at RT, or <8 hours refrigerated	STAT: 1 hour Routine: 4 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
		lavender top + 1 well prepared unstained peripheral blood smear, labelled with the patient name and specimen number (sites should retain a peripheral blood smear at their laboratory for future use if required).	**Sample Preparation:** If Health Care Provider are questioning the presence of schistocytes (fragments), smear should be prepared within 3 hours at RT, or within 8 hours refrigerated. **Sample Transportation:** Place and send the original unspun tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. Slides should be sent in slide holders to prevent breakage of the prepared smears. **Other Information:** Optimal: Smears should be made within 4 hours	
Erythrocyte Sedimentation Rate (ESR)	ESR	4 mL **lavender top** K2EDTA tube	**Required Sample Volume:** 2 mL – 4 mL of EDTA whole blood Low volume collections are not acceptable, and sample will be rejected**.** **Stability**: < 24 hours **Sample Preparation:** If test cannot be performed within 4 hours, the specimen may be refrigerated for up to 24 hours **Sample Transportation:** Place and send the original unspun tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation **Other Information:** Sample must be tested within 24 hours of collection. Hemolyzed, icteric, lipemic, and clotted samples, patients with extremely elevated WBC count or cold agglutinins are unacceptable as these samples interfere/prevent a clear RBC to plasma interface required for reading. Labels must be placed as close to the top of the EDTA cap as possible, with a label free gap on one side	24 hours
Mononucleosis Screen Test	MONO	5 mL **gold top** (SST) tube **Or:** 4 mL **lavender top** K2EDTA tube	**Required Sample Volume:** 1 mL of Plasma/Serum **Stability**: < 3 days at 2-8°C or -20˚C for extended storage **Sample Preparation:** Do not leave specimens at room temperature for prolonged periods. Sample should be centrifuged, and plasma/serum aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Hemolyzed specimens should not be used.	Routine: 24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Malaria Smear	MALPSCR	4 mL **lavender top** K2EDTA tube	**Required Sample Volume:** 2 – 4 mL of EDTA whole blood **Stability**: Thick and Thin Slides: Room Temperature up to 1 hour BiNax Now Rapid Screen: If the test cannot be performed immediately, the blood may be stored for up to three days at 2C to 30C **Sample Transportation:** Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts **or:** Place and send the original unspun tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation **Other Information:** "Malaria Blood Parasite Patient Questionnaire" must be completed and accompany the sample. All requests for Malaria/Blood Parasite screening are considered STAT, including the BiNax Now rapid test, the morphological screen and the Parasitemia level. Samples must always be collected, stained and screened on a STAT basis.	STAT: 1 hour
Kleihauer Betke Stain –Fetal Hemoglobin	KL	4 mL **lavender top** K2EDTA tube	**Required Sample Volume:** 1 mL Maternal EDTA whole blood **Stability**: < 24 hours at 2-4°C **Sample Preparation:** Samples referred in must be received refrigerated (cold) and within 24 hours of collection. If these criteria are not met, the sample will be rejected. Cancel and notify the referring laboratory. **Sample Transportation:** Place and send the original unspun tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation **Other Information:** The Kleihauer stain determines the amount fetal hemoglobin in blood smears. Sample must be tested within 24 hours of collection.	24 hours
Solubility Test of Hemoglobin S (Sickle Test)	SICKLE	2 x 4 mL **lavender top** K2EDTA tube **Or:** Blood Bank Unit Segment containing whole blood or packed cells	**Required Sample Volume:** 2 tubes collected with 1 mL of EDTA whole blood each. 1 tube will be referred out for Hemoglobin electrophoresis **Stability**: Samples stored at 1 - 10°C for up to 45 days may be used for testing. **Sample Transportation:** Place and send the original unspun tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation **Other Information:** Sample must be tested within 24 hours of collection. Infants less than 6 months old cannot be tested for sickle cells with this method: sample must be referred to a reference laboratory for hemoglobinopathy investigation.	24 hours

Hematology – Coagulation:

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Prothrombin Time (INR)	PT	2.7 mL **light blue top** Na. Citrate tube (3.2% only)	**Required Sample Volume:** 1.0 mL of Plasma **Frozen Stability**: If unable to process the specimens within 24 hours, platelet poor citrated plasma may be frozen at -20°C + 2°C for up to 2 weeks or -70˚C or colder for 6 months **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Specimens arriving in a thawed or partially thawed state **will be rejected.** Refrigerated samples are unacceptable 9:1 (sample to anticoagulant) ratio ***MUST*** be met. Samples that are clotted, or display excessive hemolysis will be rejected	STAT: 1 hour Routine: 4 hours
Activated Partial Thromboplastin Time (aPTT)	PTT	2.7 mL **light blue top** Na. Citrate tube (3.2% only)	**Required Sample Volume:** 1.0 mL of Plasma **Frozen Stability**: If unable to process the specimens within 24 hours, platelet poor citrated plasma may be frozen at -20°C + 2°C for up to 2 weeks or -70˚C or colder for 6 months **Sample Preparation:** Sample should be centrifuged within 1 hour, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Specimens arriving in a thawed or partially thawed state **will be rejected.** Refrigerated samples are unacceptable 9:1 (sample to anticoagulant) ratio ***MUST*** be met. Samples that are clotted, or display excessive hemolysis will be rejected	STAT: 1 hour Routine: 4 hours
D-Dimer	DD	2.7 mL **light blue top** Na. Citrate tube (3.2% only)	**Required Sample Volume:** 1.0 mL of Plasma **Frozen Stability**: If unable to process the specimens within 8 hours, platelet poor citrated plasma may be frozen at -20 ˚C +/- 2 ˚C for up to 2 weeks, or at -70˚C or colder for up to 6 months **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature.	STAT: 1 hour

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Other Information: Specimens arriving in a thawed or partially thawed state **will be rejected.** Samples that are clotted, or display excessive hemolysis will be rejected	
Fibrinogen	FIB	2.7 mL **light blue top** Na. Citrate tube (3.2% only)	**Required Sample Volume:** 1.0 mL of Plasma **Frozen Stability**: If unable to process the specimens within 8 hours, platelet poor citrated plasma may be frozen at -20 ˚C +/- 2 ˚C for up to 2 weeks, or at -70˚C or colder for up to 6 months **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Specimens arriving in a thawed or partially thawed state **will be rejected.** Refrigerated samples are unacceptable 9:1 (sample to anticoagulant) ratio ***MUST*** be met. Samples that are clotted, or display excessive hemolysis will be rejected	STAT: 1 hour Routine: 4 hours
Factor IX	FAC09	2.7 mL **light blue top** Na. Citrate tube (3.2% only)	**Required Sample Volume:** 1.0 mL of Plasma **Frozen Stability**: : If unable to process the specimens within 4 hours, platelet poor citrated plasma may be frozen at -20°C for up to 2 weeks or -70˚C or colder for 6 months. **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into two labelled HICL type plastic tubes, and promptly frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Specimens arriving in a thawed or partially thawed state **will be rejected.** Refrigerated samples are unacceptable 9:1 (sample to anticoagulant) ratio ***MUST*** be met. Samples that are clotted, or display excessive hemolysis will be rejected Testing is performed Monday – Friday. If a STAT or URGENT Factor assay is requested on weekends, afternoon or nightshift, the patient care area will be contacted to investigate the reason. If the patient is going to O.R., bleeding, etc. perform immediately. If there is no urgency, double spin and freeze the sample in the -80ºC freezer for testing the next business day.	See "Other Information" Section
Factor VIII	FAC08	2.7 mL **light blue top** Na. Citrate tube (3.2% only)	**Required Sample Volume:** 1.0 mL of Plasma **Frozen Stability**: : If unable to process the specimens within 4 hours, platelet poor citrated plasma may be frozen at -20°C for up to 2 weeks or -70˚C or colder for 6 months.	See "Other Information" Section

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Sample Preparation: Sample should be centrifuged, and plasma aliquoted into two labelled HICL type plastic tubes, and promptly frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Specimens arriving in a thawed or partially thawed state **will be rejected.** Samples that are clotted, or display excessive hemolysis will be rejected NOTE: Factor VIII is a labile protein – improper handling of a specimen may give a false result Testing is performed Monday – Friday. If a STAT or URGENT Factor assay is requested on weekends, afternoon or nightshift, the patient care area will be contacted to investigate the reason. If the patient is going to O.R., bleeding, etc. perform immediately. If there is no urgency, double spin and freeze the sample in the -80ºC freezer for testing the next business day.	
Thrombin Time	TT	2.7 mL **light blue top** Na. Citrate tube (3.2% only)	**Required Sample Volume:** 1.0 mL of Plasma **Frozen Stability**: If unable to process the specimens within 4 hours, platelet poor citrated plasma may be frozen at -20°C for up to 2 weeks or -70˚C or colder for 6 months. **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Specimens arriving in a thawed or partially thawed state **will be rejected.** Refrigerated samples are unacceptable 9:1 (sample to anticoagulant) ratio ***MUST*** be met. Samples that are clotted, or display excessive hemolysis will be rejected	STAT: 1 hour Routine: 4 hours

Hematology – Body Fluids & Cerebral Spinal Fluid Cell Counts

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
CSF Cell Count + Differential	CSFCELLC	CSF tubes from CSF collection tray (collected in order), **or:** Sterile container if specimen is from Shunt.	**Required Sample Volume:** 0.5 mL of CSF **Stability**: Testing must be completed within 4 hours or if delays are expected, refrigerate 2 – 8˚ C. **Sample Transportation:** Place the original tube with cold ice packs inside a secure transportation bag to keep it at the proper refrigeration temperature. **Other Information:** Tube 1 and Tube 3 or 4 should be used for CSF Cell Count and Differential. CSF is considered an irretrievable sample. Sample will always be processed. The second or third tube is submitted to Microbiology on a STAT basis. Never refrigerate. If only one tube is collected, submit to Microbiology first, and refer to CSF Specimen Collection Requirements.	STAT: < 1 hour
Pleural Fluid Cell Count	PLCELLC	4 mL **lavender top** K2EDTA tube **Or:** Sterile container	**Required Sample Volume:** > 3 mL of Pleural Fluid **Stability**: <24 hours **Sample Preparation:** Testing must be completed within 4 hours or if delays are expected, refrigerate 2 – 8˚ C. **Sample Transportation:** Place the original tube with cold ice packs inside a secure transportation bag to keep it at the proper refrigeration temperature. **Other Information:** Specimens should be processed within 24 hours of collection. Bronchial washing and related samples are not suitable for automated cell count.	24 hours
Peritoneal Fluid Cell Count	PFCELLC	4 mL **lavender top** K2EDTA tube **Or:** Sterile container	**Required Sample Volume:** > 3 mL of Peritoneal Fluid **Stability**: < 24 hours **Sample Preparation:** Testing must be completed within 4 hours or if delays are expected, refrigerate 2 – 8˚ C. **Sample Transportation:** Place the original tube with cold ice packs inside a secure transportation bag to keep it at the proper refrigeration temperature. **Other Information:** Specimens should be processed within 24 hours of collection. Body fluids/peritoneal dialysate received in sterile container will be transferred to a labelled EDTA or non-additive tube prior to analysis	24 hours
Pericardial Fluid – Cell Count	PERICELLC	4 mL **lavender top** K2EDTA tube **Or:** Sterile container	**Required Sample Volume:** >0.5 mL of Pericardial Fluid **Stability**: < 24 hours **Sample Preparation:** Testing must be completed within 4 hours or if delays are expected, refrigerate 2 – 8˚ C.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Sample Transportation: Place the original tube with cold ice packs inside a secure transportation bag to keep it at the proper refrigeration temperature.	
Synovial Fluids – Cell Count	SYNCELLC	4 mL **lavender top** K2EDTA tube **Or:** Sterile container	**Required Sample Volume:** 3 – 5 mL of Synovial Fluid **Stability**: < 24 hours **Sample Preparation:** Testing must be completed within 4 hours or if delays are expected, refrigerate 2 – 8° C. **Sample Transportation:** Place the original tube with cold ice packs inside a secure transportation bag to keep it at the proper refrigeration temperature. **Other Information:** Specimens should be processed within 24 hours of collection. Body fluids/peritoneal dialysate received in sterile container will be transferred to a labelled EDTA or non-additive tube prior to analysis	24 hours
Synovial Fluids – Crystals	SYNCRYS	4.0 mL Sodium Heparin **dark green** (no gel) tube **Or:** Sterile container	**Required Sample Volume:** > 0.5 mL of Synovial Fluid **Stability**: < 24 hours **Sample Preparation:** Testing must be completed within 4 hours or if delays are expected, refrigerate 2 – 8° C. **Sample Transportation:** Place the original tube with cold ice packs inside a secure transportation bag to keep it at the proper refrigeration temperature. **Other Information:** Specimens should be processed within 24 hours of collection. Lithium Heparin and EDTA are NOT acceptable collection containers for crystals examination as they produce crystalline structures resembling monosodium urate crystals causing a false positive result.	24 hours
Peritoneal Dialysate – Cell Count	DIALCELLC	4 mL **lavender top** K2EDTA tube **Or:** Sterile container	**Required Sample Volume:** 3 – 5 mL of Peritoneal Fluid **Stability**: < 24 hours **Sample Preparation:** Testing must be completed within 4 hours or if delays are expected, refrigerate 2 – 8° C. **Sample Transportation:** Place the original tube with cold ice packs inside a secure transportation bag to keep it at the proper refrigeration temperature. **Other Information:** Specimens should be processed within 24 hours of collection. Body fluids/peritoneal dialysate received in sterile container will be transferred to a labelled EDTA or non-additive tube prior to analysis	24 hours

Hematology – Flow Cytometry

Specimens must be received in the Flow Cytometry Laboratory no later than 12:00 noon on Fridays. Please notify the Flow Cytometry department by phone at (705) 523-7100 ext 8129.

Test or Specimen Type	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines
Peripheral blood specimens for CD3/CD4/CD8 (Lymphocyte subset analysis) quantitation	FLOWCD	One 4 ml EDTA **and** CBC count with Differential **and** 1 unstained blood smear.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** <24 hours at room temperature **Sample Transportation:** Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts inside a secure transportation bag. **Other Information:** Other names: Tetra, TBNK, or "Immune Status" Must be processed within 24 hours post collection.
Peripheral blood specimens for lymphoproliferative disorders or acute leukemia	FLOWIM	One 4mL EDTA **and** One 4 mL Sodium Heparin (Dark Green) **and** 2 unstained blood smears with a CBC count	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** <24 hours at room temperature (may be refrigerated). **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Or:** Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts **Other Information:** Must be processed within 24 hours post collection.
Bone marrow specimens for lymphoproliferative disorders or acute leukemia	FLOWIM	One 4mL EDTA **and** One 4 mL Sodium Heparin (Dark Green) with 2 mL of specimen in each. **and** 3 unstained bone marrow slides **and** 2 unstained peripheral blood smears	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** Store and ship at room temperature. **Sample Transportation:** Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts inside a secure transportation bag. **Other Information:** Must be processed within 24 hours post collection.
Bone Marrow specimen for Minimal Residual Disease Testing	BMCOLL	First draw One EDTA – 1 mL of non-clotted bone marrow.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** <24 hours at room temperature **Sample Transportation:** Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts inside a secure transportation bag.

Test or Specimen Type	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines
			Other Information: Please complete "Minimal Residual Disease Testing for Acute Lymphoblastic Leukemia Requisition" at bedside during bone marrow collection **Note:** Only collect Monday-Thursday before noon ONLY.
Excised lymph node, Fine Needle Aspirate or other tissue specimens (Specify Site)	FLOWIM	Excised lymph node full covered in RPMI solution, or sterile saline. **and** 2 unstained touch preps.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** <48 hours at 2-8°C **Sample Transportation:** Place and send the original specimen with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Must be processed within 48 hours post collection. Keep sample protected from light.
CSF	FLOWIM	2 mL of neat CSF – specify which tube. **and** Cell count – 2 unstained cytospin slides required.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** <24 hours at 2-8°C **Sample Transportation:** Place and send the original specimen with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Must be processed within 24 hours post collection. Keep sample protected from light.
Other body fluids (Specify Site)	FLOWIM	2 mL of neat sample in EDTA **or:** Sodium Heparin (Dark Green) Sterile fluid container **and** Cell count – 2 unstained cytospin slides required.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** <24 hours at 2-8°C **Sample Transportation:** Place and send the original specimen with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Must be processed within 24 hours post collection. Keep sample protected from light.

Biochemistry – General

Unless specified, 3.5 mL SST Vacutainer – **Yellow Top** Tubes can be used instead of 3.0 mL **mint green** (PST) Gel Lithium Heparin tube

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Acetaminophen	ACET	4.0 mL Lithium Heparin **dark green** (no gel) tube	**Specimen Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen, or refrigerated. **Specimen Stability:** Frozen Stability: <45 days Refrigerated Stability (2-8°C): <2 weeks **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	4 hours
Albumin	ALB	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma **Specimen Stability:** Frozen Stability: Indefinite Refrigerated Stability (2-8°C): <1 month **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen, or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
ALP (Alkaline Phosphatase)	ALP	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma **Specimen Stability:** Frozen Stability: <4 days Refrigerated Stability (2-8°C): <4 days	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Sample Preparation: Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen, or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
ALT (Alanine Aminotransferase	ALT	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma **Specimen Stability:** Frozen Stability: Not recommended Refrigerated Stability (2-8°C): < 1 weeks **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen, or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Ammonia	NH3 OR AMM	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **collected on ice.**	**Required Sample Volume:** 1.0 mL of Heparin Plasma Frozen Stability: <24 hours Refrigerated Stability (2-8°C): < 3 hours **Sample Preparation:** Sample should be centrifuged within 45 minutes, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen. **Specimen Transportation:** **If transporting frozen:** Place and send the aliquoted specimen with frozen ice packs inside a secure transportation bag to maintain proper temperature during transportation to ensure specimen does not thaw. See "Other Information" Section. **Other Information:** Please indicate sample type on label (Serum/Plasma)	4 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Hemolyzed samples are not suitable for analysis and will be rejected. Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Amylase	AMY	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma/Serum **Specimen Stability:** Frozen Stability: Not recommended Refrigerated Stability (2-8°C): <1 month **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen, or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
AST (Aspartate Aminotransferase)	AST	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma **Specimen Stability:** Frozen Stability: <3 months Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Hemolysed samples should not be tested.	24 hours
Bilirubin – Conjugated	BILID	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma **Specimen Stability:** Frozen Stability: <6 months Refrigerated Stability (2-8°C): <7 days	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Sample Preparation: Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Bilirubin – Neonatal	BILIN	600 uL Lithium Heparin Microtainer PST - Amber	**Required Sample Volume:** 1.0 mL of Plasma **Specimen Stability:** Frozen Stability: <6 months Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Minimize sample exposure to light. Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	4 hours
Bilirubin – Total	BILIT	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST - Amber	**Required Sample Volume:** 1.0 mL of Plasma **Specimen Stability:** Frozen Stability: <6 months Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details.	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Other Information: Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Bilirubin – Unconjugated	BILII	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST - Amber	**Required Sample Volume:** 1.0 mL of Plasma **Specimen Stability:** Frozen Stability: <6 months Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Blood Urea Nitrogen (BUN)	UREA or BUN	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <6 months Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
CA-125 (Cancer Antigen 125)	CA125	3.0 mL **mint green** (PST) Gel and Lithium Heparin tube	**Required Sample Volume:** 1.0 mL of Lithium Heparin Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Specimen Transportation: Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Calcium Total	CA	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: < 1 year Refrigerated Stability (2-8°C): <22 days **Sample Preparation:** Sample should be centrifuged within 24 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Carbamazepine (Tegretol)	CARB	4.0 mL Lithium Heparin **dark green** (no gel) tube	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <6 months Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
CEA (Carcinoembryonic Antigen)	CEA	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber	**Required Sample Volume:** 0.5 – 1.0 mL of Plasma Frozen Stability: Indefinite Refrigerated Stability (2-8°C): <1 month	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
		or 3.5 mL SST Vacutainer – Yellow Top	**Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Patient should refrain from taking Biotin supplements. Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Chloride	CL	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <3 weeks Refrigerated Stability (2-8°C): <4 weeks **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Cholesterol	CHOL	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: < 3 weeks Refrigerated Stability (2-8°C): <3 days **Sample Preparation:** Sample should be centrifuged within 3 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
CK (Creatine Kinase)	CK	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <1 month Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
ECO2	CO2	3.0 mL **mint green** (PST) Gel Lithium Heparin tube	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <1 month Refrigerated Stability (2-8°C): <3 days **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Complement – C3	COMC3	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <3 days **Sample Preparation:** Sample should be centrifuged within 2 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Other Information: Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Complement – C4	COMC4	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability:<4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged within 2 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Cortisol	CORTR (Random) CORTAM CORTPM	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <1 month Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) AM Cortisol is collected at 0800 hr PM Cortisol is collected at 1600 hr Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Creatinine (EGFR)	CREAT	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: Indefinite Refrigerated Stability (2-8°C): <30 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated.	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Specimen Transportation: Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
CRP (C-Reactive Protein)	CRP	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability**:** <6 months Refrigerated Stability (2-8°C): <3 days **Sample Preparation:** Sample should be centrifuged within 3 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Digoxin	DIG	6.0 mL Red Top Serum Vacutainer	**Required Sample Volume:** 1.0 mL of Serum Frozen Stability: <4 months Refrigerated Stability (2-8°C): <1 week **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Ethanol	ALC	3.0 mL **mint green** (PST) Gel Lithium Heparin tube	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <1 month Refrigerated Stability (2-8°C): <2 weeks	4 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Sample Preparation: Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Do not cleanse the sample site with alcohol or other volatile disinfectants. Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Ferritin	FER	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Folate (Folic Acid)	FOL	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Protect from light Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Free T4	FT4	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Free T3	FT4	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
FSH (Follicle Stimulating Hormone)	FSH	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <6 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Other Information: Please indicate sample type on label (Serum/Plasma)	
GGT (Gamma-Glutamyl Transferase)	GGT	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <2 months Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Gentamycin	GENTP (Peak) or GENTT(Trough)	4.0 mL Lithium Heparin **dark green** (no gel) tube	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <14 days Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged within 1 hour, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details. **Other Information:** Please indicate sample type on label Peak collected 60-90 minutes post dose. Trough collected 30 before next dose. Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Glucose - Blood	GLUF (Fasting) GLUC (Random)	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <1 year Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged within 1 hour, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated.	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Specimen Transportation: Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Glycated Hemoglobin (HbA1C)	HBA1C	4.0 mL EDTA **lavender** tube.	**Required Sample Volume:** 2 – 4 mL of EDTA whole blood **Refrigerated Stability:** <3 days **Sample Preparation:** Send original EDTA Tube. **Sample Transportation:** Send cold with cold packs to maintain proper refrigeration temperature.	24 hours
HCG Quantitative	BHCGQ	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	4 hours
HCG Tumour	BHCGTM	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated.	72 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Specimen Transportation: Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Hepatitis B Surface Antigen (HBsAg)	HBSAG	3.5 mL SST Vacutainer – **Yellow Top**	**Required Sample Volume:** 1.0 mL of Serum Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label	24 hours
HDL (High Density Lipoprotein)	LIPID	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <3 weeks Refrigerated Stability (2-8°C): <3 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
IgA Quantitation	IGA	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST –	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
		Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Sample Preparation:** Sample should be centrifuged within 2 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
IgG Quantitation	IGG	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged within 2 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
IgM Quantitation	IGM	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged within 2 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Iron (Fe)	FE	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <3 months Refrigerated Stability (2-8°C): <4 days **Sample Preparation:** Sample should be centrifuged within 1 hour, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Iron Saturation	FESAT	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <3 months Refrigerated Stability (2-8°C): <4 days **Sample Preparation:** Sample should be centrifuged within 1 hour, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Test includes: Iron, TIBC, Transferrin, Transferrin Saturation Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Ketone – Serum (β-Hydroxybutyrate)	KET	3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Serum **Stability:** <2 hours at Room Temperature and Refrigeration **Sample Transportation:** Send Specimen within the sample stability requirements. **Other Information:** Hemolyzed samples will not be processed.	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Lactate (Lactic Acid)	LA	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber ***Must be collected on Ice***	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <1 month Refrigerated Stability (2-8°C): <14 days **Sample Preparation:** Sample should be centrifuged within 45 minutes, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	4 hours
LDH (Lactate Dehydrogenase)	LDH	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST - Amber	**Required Sample Volume:** 1.0 mL of Plasma Room Temperature Stability: < 2 days Frozen Stability: Not recommended Refrigerated Stability (2-8°C): Not recommended **Sample Preparation:** Sample should be centrifuged within 1 hour, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen. **Specimen Transportation:** **If transporting frozen:** Place and send the aliquoted specimen with frozen ice packs inside a secure transportation bag to maintain proper temperature during transportation to ensure specimen does not thaw. See "Other Information" Section. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
LH (Luteinizing Hormone)	LH	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Lipase	LIPA	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <5 months Refrigerated Stability (2-8°C): <3 weeks **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Lithium	LI	6.0 mL Red Top Serum Vacutainer	**Required Sample Volume:** 1.0 mL of Serum Frozen Stability: <6 months Refrigerated Stability (2-8°C): <24 hours **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Magnesium	MG	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <1 month Refrigerated Stability (2-8°C): < 1 week	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Sample Preparation: Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Methotrexate	METHO	4.0 mL Lithium Heparin **dark green** (no gel) tube	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability(≤-18°C): Can withstand 3 freeze-thaw cycles Refrigerated Stability (2-8°C): <14 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	4 hours
NT proBNP	BNPNTPRO	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST - Amber	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <1 year Refrigerated Stability (2-8°C): <3 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	7 days

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Osmolarity - Serum	OSMO	3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Serum Room Temperature Stability: < 3 hours Frozen Stability: <3 months **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details. **Other Information:** Please indicate sample type on label Uncapped samples should not exceed 45 minutes Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
pH – Serum	PH	3.5 mL SST Vacutainer – Yellow Top **or:** 6.0 mL Red Top Serum Vacutainer	**Required Sample Volume:** 1.0 mL of Serum **Stability:** <2 hours at Room Temperature and Refrigeration **Sample Transportation:** Frozen specimens arriving in a thawed or partially thawed state **will be rejected.** **Other Information:** Hemolyzed samples will not be processed.	2 hours
Phenytoin (Dilantin)	PHENY	4.0 mL Lithium Heparin Vacutainer – No Gel (Dark Green)	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <3 months Refrigerated Stability (2-8°C): <1 week **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Phosphorus	PHOS	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <2 months Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Potassium	K	3.0 mL **mint green** (PST) Gel and Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: < 1 year Refrigerated Stability (2-8°C): <6 weeks **Sample Preparation:** Sample should be centrifuged within 2 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	4 hours
Prolactin	PROL	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Other Information: Please indicate sample type on label (Serum/Plasma)	
Protein – Total	TP	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <6 months Refrigerated Stability (2-8°C): <3 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
PSA (Prostate Specific Antigen)	PSA	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
PTH (Parathyroid Hormone)	PTH	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber	**Required Sample Volume:** 1.0 mL of Heparin Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): < 2 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated.	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Specimen Transportation: Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
RF (Rheumatoid Factor)	RF	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <6 months Refrigerated Stability (2-8°C): <3 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Salicylate	SAL	4.0 mL Lithium Heparin **dark green** (no gel) tube	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <6 months Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label	4 hours
Sodium	NA	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <6 months Refrigerated Stability (2-8°C): <7 days	4 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
		or 3.5 mL SST Vacutainer – Yellow Top	**Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Testosterone	TESTT	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Tobramycin	TOBRAP(Peak) TOBRAT (Trough)	4.0 mL Lithium Heparin **dark green** (no gel) tube	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <2 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged within 1 hour, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Triglycerides	TRIG	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <6 months Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Troponin I	TROPI	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST - Amber	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the “Other Information” section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Hemolysed samples will be rejected, and not tested. Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	4 hours
TSH (Thyroid Stimulating Hormone)	TSH	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Transferrin	TRANS	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: Indefinite Refrigerated Stability (2-8°C): <3 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Uric Acid	URIC	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <6 months Refrigerated Stability (2-8°C): <5 days **Sample Preparation:** Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Vancomycin	VANCR (Random) VANCT (Trough)	6.0 mL **Red Top** Serum Vacutainer	**Required Sample Volume:** 1.0 mL of Serum Frozen Stability: <14 days Refrigerated Stability (2-8°C): <3 days	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Sample Preparation: Sample should be centrifuged within 4 hours, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	
Valproic Acid (Depakene)	VAL	4.0 mL Lithium Heparin **dark green** (no gel) tube	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <14 days Refrigerated Stability (2-8°C): <14 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Vitamin B12	B12	3.0 mL **mint green** (PST) Gel Lithium Heparin tube **or** 600 µL Lithium Heparin Microtainer PST – Amber **or** 3.5 mL SST Vacutainer – Yellow Top	**Required Sample Volume:** 1.0 mL of Plasma Frozen Stability: <4 weeks Refrigerated Stability (2-8°C): <7 days **Sample Preparation:** Sample should be centrifuged, and plasma aliquoted into Labelled Non-Additive Vacutainer, and promptly frozen or refrigerated. **Specimen Transportation:** Specimens can be transported frozen or refrigerated. Place the aliquoted specimen in a secure transportation bag to maintain the appropriate temperature and prevent thawing, if frozen during transit. Refer to the "Other Information" section for details. **Other Information:** Please indicate sample type on label (Serum/Plasma) Frozen specimens arriving in a thawed or partially thawed state **will be rejected.**	24hours

Biochemistry - Urine

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Calcium – Urine	UCA24HR (24 hour collection) UCAR- (Random)	Orange Sterile Container or 24 hour Urine Collection container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. HSN Laboratory will acidfy sample prior to analysis. Specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Creatinine - Urine	URCREAT24HR(24 hour collection) UCREAR (Random)	Orange Sterile Container or 24 hour Urine Collection container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. Specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Drugs of Abuse Screen – Urine	UDSRAPID	Orange Sterile Container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. Screen includes Amphetamines, Barbiturates, Benzodiazepines, Buprenorphine, Cocaine, Fentanyl, Methamphetamines, Methadone, Opiates, Tricyclic Antidepressants, Oxycodone, Phencyclidine, THC, and Propoxyphene. Contact Laboratory for “List of Cross Reactant Substances” if needed. Specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours
Glucose – Urine	UGLUR (Random) UGLU24HR (24 hour)	Orange Sterile Container or 24 hour Urine Collection container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Other Information: Indicate Volume if a 24 hour Urine test is ordered. Specimens arriving in a thawed or partially thawed state **will be rejected.**	
HCG – Urine Screen	UBHCG	Orange Sterile Container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Specimens arriving in a thawed or partially thawed state **will be rejected.**	
Magnesium - Urine	UMG24HR UMGR	Orange Sterile Container or 24 hour Urine Collection container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. HSN Laboratory will acidy sample prior to analysis. Specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Microalbumin	UMACRRATIO	Orange Sterile Container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. Specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Osmolality – Urine	UOSMO	Orange Sterile Container, or Non Additive Clear Vacutainer	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. Specimens arriving in a thawed or partially thawed state **will be rejected.**	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Phosphorus – Urine	UPHOS24HR UPHOSR	Orange Sterile Container or 24 hour Urine Collection container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. HSN Laboratory will acidy sample prior to analysis. Specimens arriving in a thawed or partially thawed state **will be rejected.**	4 hours
Potassium – Urine	UK24HR (24 hour) UKR (Random)	Orange Sterile Container or 24 hour Urine Collection container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. Specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Protein – Urine	UPROT24 UPROTR	Orange Sterile Container or 24 hour Urine Collection container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. Specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Sodium – Urine	UNAR UNA24HR	Orange Sterile Container or 24 hour Urine Collection container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. Specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Urea – Urine	UUREA24HR UUREAR	Orange Sterile Container or 24 hour Urine Collection container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Other Information: Indicate Volume if a 24 hour Urine test is ordered. Specimens arriving in a thawed or partially thawed state **will be rejected.**	
Uric Acid – Urine	UURICR UURIC24HR	Orange Sterile Container or 24 hour Urine Collection container	**Sample Preparation:** Sample should be sent in Sterile Container with sample that is labelled, parafilmed and frozen. **Sample Transportation:** Send Frozen with ice packs to maintain temperature. **Other Information:** Indicate Volume if a 24 hour Urine test is ordered. HSN Laboratory will alkalize sample prior to analysis. Specimens arriving in a thawed or partially thawed state **will be rejected.**	24 hours
Urinalysis	UR	Orange Sterile Container	Room Temperature: <2 hours	8 hours

Biochemistry – Blood Gases

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Arterial Blood Gas	ABG	Lithium Heparin Syringe	**Required Sample Volume:** Syringe must be filled 50% in order to process sample. **Sample Stability:** Sent down to Laboratory on ICE Room Temperature: 15 minutes Refrigerated/Ice Slurry: 60 minutes **Other Information:** Blood gas, Oximetry Panel, Shunt Run samples should be placed on a cold pack or ice slurry in a plastic zip-lock bag, closed properly to prevent leaks and sent to the lab immediately for processing	
Capillary Blood Gas	CAPBG	Capillary Gas Collection tubes	Run immediately	
Carboxyhemoglobin	CO OR OXIM	Lithium Heparin Syringe	**Required Sample Volume:** Syringe must be filled 50% in order to process sample. **Stability:** Carbon Monoxide (Carboxyhemoglobin COHb): is stable for 30 days at room temperature. **Sample Transportation:** Place and send the original syringe with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Or:** Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts **Other Information:** Note: Bubbles in syringe are acceptable if reporting only COHb	
Ionized Calcium	IONCA	Lithium Heparin Syringe	**Required Sample Volume:** Syringe must be filled 50% in order to process sample. **Sample Stability:** Sent down on ICE Room Temperature: 15 minutes Refrigerated/Ice Slurry: 60 minutes **Other Information:** If specimen is exposed to air it is deemed unsuitable for analysis	
Venous Blood Gas	VBG	4.0 mL Lithium Heparin **dark green** (no gel) tube sent down on ice. **or:** Lithium Heparin Syringe	**Required Sample Volume:** Vacutainer must be filled 50% in order to process sample. **Sample Stability:** Sent down on ICE Room Temperature: 15 minutes Refrigerated/Ice Slurry: 60 minutes **Other Information:** If specimen is exposed to air it is deemed unsuitable for analysis If both a VBG and Ionized Calcium are ordered than only a single lithium heparin syringe is required.	

Biochemistry – Cerebral Spinal Fluid

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Glucose – CSF	CSFGLUC	CSF tubes from CSF collection tray (collected in order), or Sterile container if specimen is from Shunt.	**Required Sample Volume:** 0.5 mL of CSF **Stability**: Testing must be completed within 4 hours or if delays are expected, refrigerate 2 – 8˚ C up to one week. **Sample Transportation:** Place the original tube with cold ice packs inside a secure transportation bag to keep it at the proper refrigeration temperature. **Other Information:** Tube 1 should be used for CSF Chemistry Analysis CSF is considered an irretrievable sample. Sample will always be processed. The second or third tube is submitted to Microbiology on a STAT basis. Never refrigerate. If only one tube is collected, submit to Microbiology first, and refer to CSF Specimen Collection Requirements. **Please note**: If CSF Culture is also ordered, refer to CSF Culture transportation guidelines.	4 hours
Protein – CSF	CSFTP	CSF tubes from CSF collection tray (collected in order), or Sterile container if specimen is from Shunt.	**Required Sample Volume:** 0.5 mL of CSF **Stability**: Testing must be completed within 4 hours or if delays are expected, refrigerate 2 – 8˚ C up to three days. **Sample Transportation:** Place the original tube with cold ice packs inside a secure transportation bag to keep it at the proper refrigeration temperature. **Other Information:** Tube 1 should be used for CSF Chemistry Analysis CSF is considered an irretrievable sample. Sample will always be processed. The second or third tube is submitted to Microbiology on a STAT basis. Never refrigerate. If only one tube is collected, submit to Microbiology first, and refer to CSF Specimen Collection Requirements. **Please note**: If CSF Culture is also ordered, refer to CSF Culture transportation guidelines.	4 hours

Biochemistry – Body Fluids

Meditech Mnemonic Test codes are body site dependent. Please use the following prefixes, followed by the test Ex: PLALB (Pleural Albumin)
Pleural: PL, Peritoneal: PF, Pericardial: PERI, Synovial: SYN, Dialysate Fluid: DIAL

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Albumin – Body Fluid	Site + ALB	Sterile sample container **or** 4.0 mL Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <7 days **Refrigerated Stability:** < 1 month **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours
Amylase – Body Fluid	Site + AMY	Sterile sample container **or** 4.0 mL Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <7 days **Refrigerated Stability:** < 1 month **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours
AST – Body Fluid	Site + AST	Sterile sample container **or** 4.0 mL Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <7 days **Refrigerated Stability:** < 1 month **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Calcium – Body Fluid	Site + CA	Sterile sample container **or** 4.0 mL Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <7 days **Refrigerated Stability:** < 1 month **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours
Cholesterol – Body Fluid	Site + CHOL	Sterile sample container **or** 4.0 mL Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <7 days **Refrigerated Stability:** < 1 month **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours
Creatinine – Body Fluid	Site + CR	Sterile sample container **or** 4.0 mL Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <7 days **Refrigerated Stability:** < 1 month **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
Fecal Occult Blood	OB1,OB2,OB3	Orange Sterile Container	**Required Sample Volume:** 1 gram of patient sample **Room Temperature Stability:** <14 days **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Collect on 3 different days; do not collect if blood is visible in stool or urine; collect in clean dry container and avoid stool contact with water	3 days
Fetal Fibronectin	FFN	Adeza/Hologic Biomedical Specimen Collection Kit Container	**Required Sample Volume:** 1 Hologic Collection Kit Swab **Room Temperature Stability:** <8 hours **Refrigerated Stability:** < 3 days **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original swab with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours
Glucose – Body Fluid	Site + GLU	Sterile sample container **or** 4.0 mL Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <7 days **Refrigerated Stability:** < 1 month **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
LDH – Body Fluid	Site + LDH	Sterile sample container **or** 4.0 mL Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <7 days **Refrigerated Stability:** < 1 month **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours
pH – Body Fluid	Site + PH	Sterile sample container	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <2 hours **Refrigerated Stability:** < 2 hours **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation.	24 hours
Protein – Body Fluid	Site + TP	Sterile sample container, or 4.0 mL or Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <4 hours **Refrigerated Stability:** < 3 days **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours
Sweat Chloride	SWTCLP	Macroduct sweat collection device	**Required Sample Volume:** >15 uL of Patient Sample **Room Temperature & Refrigeration Stability:** <7 days **Sample Preparation:** If significant delays are anticipated, please refrigerate sample.	See “Other Information” Section

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			Sample Transportation: Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing. Testing is performed Monday to Friday.	
Triglycerides – Body Fluids	Site + TRIG	Sterile sample container, or 4.0 mL or Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <3 days **Refrigerated Stability:** < 7 days **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours
Uric Acid – Body Fluid	Site + URIC	Sterile sample container, or 4.0 mL or Heparin **dark green** (no gel) Vacutainer	**Required Sample Volume:** 2 – 4 mL of the Body Fluid **Room Temperature Stability:** <3 days **Refrigerated Stability:** < 7 days **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Samples are kept in the Laboratory for 30 days post testing.	24 hours
Vitreous Fluid Panel	VITFLD	6.0 mL **Red Top** Serum Vacutainer	**Required Sample Volume:** 1 mL of Vitreous Fluid **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Due to sample nature, all samples will be processed.	8 hours

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines	Turn Around Time
			All samples will be processed except if a red color is noted. Samples are kept in the Laboratory for 2 years post autopsy.	

Transfusion Medicine

For referral sites, prior to sending ANY specimen, call Transfusion Medicine Reference Laboratory (705) 523-7294.

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines
Type and Screen	TS	10 mL Lavender K_2EDTA Vacutainer **or:** Referral Sites: Send two 7ml EDTA anticoagulated blood unspun.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** Testing of sample must be complete within 5 days of collection. Store at 2-8°C **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** EDTA anticoagulated whole blood free from hemolysis (if possible) is the preferred specimen. **Note:** Prior to sending ANY specimen, call the Transfusion Medicine Reference Laboratory at (705) 523-7294 to state nature of the investigation, the mode of shipping and the estimated arrival time. Additional specimens may be required depending on patient's hemoglobin and expected testing required
Antibody Identification	ABID	10 mL Lavender K_2EDTA Vacutainer **or:** Referral Sites: Send two 7ml EDTA anticoagulated blood unspun.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** Optimal Temperature should be 2-8°C **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** EDTA anticoagulated whole blood free from hemolysis (if possible) is the preferred specimen. **Note:** Prior to sending ANY specimen, call the Transfusion Medicine Reference Laboratory at (705) 523-7294 to state nature of the investigation, the mode of shipping and the estimated arrival time. Additional specimens may be required depending on patient's hemoglobin and expected testing required
Cord Blood Testing	CORDAT (Cord DAT) CORDTYPE (Cord Type)	Red Top 6.0 mL Vacutainer with Cord Blood sample	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** Optimal Temperature should be 2-8°C **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation.

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines
			Other Information: Cord blood is collected on all new born babies, sent to the blood bank and stored for a minimum of one week. However routine cord blood testing will only be performed under the following circumstances: • Babies born to Rh Negative (or Weak D) mothers • Babies born to mothers who have an identified clinically significant antibody (will be done on a STAT basis) • Babies whose mother's ABO/Rh typing is unknown • Upon Doctor's request • Stillborn cords A venous or capillary sample should be used for all pre-transfusion testing of neonates. Cord samples are NOT an acceptable alternative **Note:** Prior to sending ANY specimen, call the Transfusion Medicine Reference Laboratory at (705) 523-7294 to state nature of the investigation, the mode of shipping and the estimated arrival time. Additional specimens may be required depending on patient's hemoglobin and expected testing required
Crossmatch – Packed Red Blood Cells	PRC	10 mL Lavender K_2EDTA Vacutainer **or:** Referral Sites: Send two 7ml EDTA anticoagulated blood unspun.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** Optimal Temperature should be 2-8°C – See "Other Information" Section **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** For patients who have been transfused or pregnant within the last three months, or if history of transfusion or pregnancy is uncertain or unknown, specimens for compatibility testing shall be no more than 96 hours old. For patients who have not been transfused or pregnant in the past three months, plasma for compatibility testing may be stored and used up to 31 days from the collection date. **Note:** Prior to sending ANY specimen, call the Transfusion Medicine Reference Laboratory at (705) 523-7294 to state nature of the investigation, the mode of shipping and the estimated arrival time. Additional specimens may be required depending on patient's hemoglobin and expected testing required
DAT (Direct Coombs) Report includes Anti IgG, and Anti-C3d	DAT	10 mL Lavender K_2EDTA Vacutainer **or:** Referral Sites: Send two 7ml EDTA anticoagulated blood unspun.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** 5 days at 2-8°C post collection **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** **Note:** Prior to sending ANY specimen, call the Transfusion Medicine Reference Laboratory at (705) 523-7294 to state nature of the investigation, the mode of shipping and the estimated arrival time. Additional specimens may be required depending on patient's hemoglobin and expected testing required

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines
Fetal Bleed Screen	FMSCREEN	10 mL Lavender K_2EDTA Vacutainer **or:** Referral Sites: Send two 7ml EDTA anticoagulated blood unspun.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** Optimal Temperature should be 2-10°C – Testing must be performed within 48 hours of collection. **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** 300 micrograms (one dose) of Rh(D)Immune globulin (RhoGam) protects an Rh negative mother against Rh immunization when there is a fetal-maternal bleed of 30 mLs or less of Rh positive whole blood. This test is only for testing fetal bleed in Rh negative mothers who have given birth to a Rh Positive baby. If there is a request for a fetal hemoglobin screen on a woman who is currently pregnant or on an Rh Positive or Weak D positive mother, or if the baby is Weak D positive, order and perform a **Kleihauer test** instead of this test to detect fetal cells in the maternal circulation. The test procedure requires a blood specimen collected from the MOTHER after delivery of all products of conception. It is best to wait about an hour after delivery to allow any fetal blood to mix thoroughly in the maternal circulation, but the sample should be collected as soon as possible thereafter **Note:** Prior to sending ANY specimen, call the Transfusion Medicine Reference Laboratory at (705) 523-7294 to state nature of the investigation, the mode of shipping and the estimated arrival time. Additional specimens may be required depending on patient's hemoglobin and expected testing required
Weak D Typing	WEAKD (ABO/Rh Type Du included)	Lavender K_2EDTA Vacutainer Cord blood specimen collected into a red top tube (no anticoagulant and no serum separator)	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** Optimal Temperature should be 2-8°C **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** Weak D typing shall be done in the following situations: all Rh negative newborn Cord or Infant specimens, when testing is performed to determine maternal Rhogam requirements Cases of weak (less than 2+) agglutination of patient red cells with Anti-D Discrepant Rh typing results between current and historical typing (if a patient has a history of being Weak D positive reported only once, the Weak D typing needs to be repeated another time for confirmation) **Note:** Prior to sending ANY specimen, call the Transfusion Medicine Reference Laboratory at (705) 523-7294 to state nature of the investigation, the mode of shipping and the estimated arrival time. Additional specimens may be required depending on patient's hemoglobin and expected testing required

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines
Transfusion Reaction Investigation	TXRXN (Workup) TXRXSCREEN (Screen)	10 mL Lavender K_2EDTA Vacutainer **or:** Referral Sites: Send two 7ml EDTA anticoagulated blood unspun.	**Required Sample Volume:** See "Specimen Container" Section **Refrigerated Stability:** Optimal Temperature should be 2-8°C **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** If a Transfusion Reaction is suspected or patient is exhibiting signs and symptoms of a transfusion reaction. **Reference** Transfusion Reaction Algorithm 1. Nurse is to STOP THE TRANSFUSION IMMEDIATELY and keep the IV line open with 0.9% saline 2. Contact the physician for medical assessment 3. Check vital signs every 15 minutes until stable 4. Check all labels, forms, and the patient's identification band to determine if there is a clerical discrepancy. **Other samples that might need to be collected/ordered:** • Pre-DAT • Pre and Post Antibody Screen • Pre and Post crossmatch • LDH and Total and Direct Bilirubin • Hemoglobin and signs of hemolysis (CBCD in Meditech Expanse + Manual Diff) • Urine color, blood, hemoglobin, bilirubin, urobilinogen (if received) (Urinalysis in Meditech Expanse) • Antibody Identification **Note:** Prior to sending ANY specimen, call the Transfusion Medicine Reference Laboratory at (705) 523-7294 to state nature of the investigation, the mode of shipping and the estimated arrival time. Additional specimens may be required depending on patient's hemoglobin and expected testing required
Cold Autoagglutinin Screen	COLDAGG	10 mL Lavender K_2EDTA Vacutainer **or:** Referral Sites: Send two 7ml EDTA anticoagulated blood unspun.	**Required Sample Volume:** See "Specimen Container" Section **Temperature Stability:** Optimal Temperature should be 37°C, however can be refrigerated at 2-8°C **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Other Information:** If screen is Positive, sample will be tested for a Cold Autoagglutinin Titre. **Note:** Prior to sending ANY specimen, call the Transfusion Medicine Reference Laboratory at (705) 523-7294 to state nature of the investigation, the mode of shipping and the estimated arrival time.

Test	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines
Cold Autoagglutinin Titre	COLDEXT	10 mL Lavender K_2EDTA Vacutainer **or:** Referral Sites: Send two 7ml EDTA anticoagulated blood unspun.	**Required Sample Volume:** See "Specimen Container" Section **Temperature Stability:** Optimal Temperature should be 37°C, however can be refrigerated at 2-8°C **Sample Preparation:** If significant delays are anticipated, please refrigerate sample. **Sample Transportation:** Place and send the original tube with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation. **Note:** Prior to sending ANY specimen, call the Transfusion Medicine Reference Laboratory at (705) 523-7294 to state nature of the investigation, the mode of shipping and the estimated arrival time. Additional specimens may be required depending on patient's hemoglobin and expected testing required

Microbiology – Bacteriology

Please contact the Microbiology Department at 705-523-7100 Extension 8140 between 06:30 – 22:30 for any clarification regarding specimen collection/handling.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
BACTERIAL CULTURES CATEGORIZED BY SYSTEM								
SKIN AND SOFT TISSUE INFECTIONS CULTURE								
Abscess aspirate culture Bacteria and Yeast	AAC	Sterile container	<2hr., RT	Refrigerator	1/day/source	HSN	2-5 days	**Tissue or fluid is always superior to a swab specimen. Remove surface exudates by cleaning with Sterile saline and sterile gauze. Allow surface to dry before taking specimen. Aspirate abscess fluid and dispense into sterile screw cap container. If aspiration is not possible, pass a swab deep into lesion using Levine's Technique
Bite Wound Bacteria and Yeast	WC + Source	Swab in transport media	<2hr., RT	Refrigerator	1/day/source	HSN	Gram stain – same day Aerobic culture 1-2 days	
Cellulitis Bacteria and Yeast	BFC + Source	Sterile Container/Tube	≤15 min, RT	Refrigerator	1/day/source	HSN	Gram stain – same day	Remove surface exudates by cleaning with Sterile saline. Allow surface to dry before taking specimen.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
							Aerobic culture 1-2 days	Aspirate the area of maximum inflammation (commonly the center rather than leading edge) with a fine needle and syringe. Draw a small amount of sterile saline into the syringe and aspirate into a sterile tube. Note: Yield for pathogen recovery is very low
Drainage Fluid Bacteria and Yeast	DFC + Source	Cultures of drain fluid tend to be colonized and do not provide useful information about infecting agents. At the time of sterile insertion of the drain a specimen may be collected in a Sterile Container and sent for culture.	<2hr., RT	Refrigerator	1/day/source	HSN	Gram stain – same day Aerobic culture 1-2 days	*Drainage fluids are not considered a sterile collection and will be not be cultured for Anaerobes. **Swabs of draining fluid are inappropriate for culture
Erysipelas Bacteria and Yeast	TISC	Punch biopsy of leading edge of inflammation in Sterile Container	<2hr., RT	Refrigerator	1/week/source	HSN	Routine bacterial culture - Expected time for results: Stat Gram Stain within 2 hours Culture 1-5 days.	1. Submit in sterile container 2. For small specimens, add several drops of sterile water to keep specimen moist.
Decubitus ulcer Bacteria and Yeast	TISC	A swab is NOT the specimen of choice. Obtain biopsy if possible or fine needle aspirate (BFC). If a swab is the only option, proceed to order a wound swab (WC)	<2hr., RT	Refrigerator	1/week/source	HSN	Routine bacterial culture - Expected time for results:	A decubitus swab provides little relevant clinical information and should NOT be collected

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
							Stat Gram Stain within 2 hours Culture 1-5 days.	
Wound Swab Bacteria and Yeast	WC + Source	Charcoal transport Medium	<2hr., RT	Refrigerator	1/day/source	HSN	Gram stain – same day Aerobic culture 1-2 days	
Wound Anaerobic Culture Swab Bacteria ***MUST BE APPROVED BY MICROBIOLOGIST IF NOT SURGICALLY OBTAINED**	ANC + Source	Appropriate cultures for anaerobes are sterile fluids, tissues/biopsies and aspirates. Swabs are inferior to other sample types and are discouraged. Swabs surgically obtained (intraoperative source description STESITE) will be accepted in the event that aspiration is not feasible. *The swab must be collected in the anaerobic transport media (Amie's gel) **All other swabs must be approved by microbiologist**	<2hr., RT	Room temperature	1/day/source	HSN	Anaerobic culture 2-5 days	Submit Fluids, Tissues/Biopsies and Aspirates whenever possible.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
BLOOD CULTURE								
Blood Cultures for Bacteria and Yeast (Except Malassezia)	BC	**For Adult Patients or >36.3 kg** 1 FA Mint Top (8-10 ml) 1 FN Orange Top (8-10 ml) *This constitutes 1 set	<2hr., RT	Room temperature	3 sets/24 hr	HSN	If negative: 5 days If positive: Results are reported immediately	Acute sepsis: Collect 2-3 sets from separate sites all within 10 min (before antimicrobials) Endocarditis: 3 sets from 3 separate sites over 1-2hrs **Subacute Endocarditis: Collect 3 sets from 3 sites taken ≥15min apart; if negative at 24hr, obtain 3 more sets **Fever of Unknown Origin (FUO): Collect 2-3 sets from 3 sites taken ≥1hr apart; if negative at 24hr, obtain 2-3 more sets **Please specify on the requisition as these require extended incubations
Blood Cultures Pediatric for Bacteria and Yeast (Except Malassezia)	BCPED	**Pediatrics:** ≤1 kg= 2mL (1 yellow Top) 1.1-2 kg=2x2mL (2 yellow Top) 2.1-12.7 kg= 2x3mL (2 yellow Top) 12.8-36.3 kg= 2x 5-10mL(use adult aerobic bottles) If less than 5mL, use yellow top bottles >36.3 kg = Treat as adult	<2hr., RT	Room temperature		HSN	If negative: 5 days If positive: Results are reported immediately	
Bone Marrow Bacteria and Yeast	BMC	≥1 mL in Heparin tube (green top)	<2hr., RT	Refrigerator	1/day	HSN	2-5 days	
Catheter Tip Bacteria and Yeast Intravascular (intra-arterial or intravenous)	ICTC + Source	Sterile container	<2hr., RT	Refrigerator	None	HSN	2-5 days	1) Cleanse skin around catheter site with chlorhexidine alcohol prep. 2) Aseptically remove catheter and aseptically cut the 5-cm distal

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
								tip of catheter directly into sterile container. 3) Transport directly to the microbiology laboratory to prevent drying. **Acceptable I.V. catheters for semiquantitative culture: central, CVP, Hickman, Broviac, peripheral, arterial, umbilical, hyperalimentation, Swan-Ganz** **Not acceptable for culture: foley, peritoneal drain tips, chest tube tips**
CSF CULTURE								
Cerebrospinal Fluid (CSF) Bacteria and Yeast	CSFC (CSF Culture)	Sterile screw-cap CSF collection tubes Bacteria: > 1 ml	Room temperature NEVER refrigerate	Room temperature NEVER refrigerate	1/day	HSN	Direct Gram Stain and culture are performed on a STAT basis. Expected time for results: Gram Stain – 1-2 hours Culture 1-5 days	Aspirate aseptically using established technique. 1-2mL of fluid is collected into each of 3 or 4 sterile CSF collection tubes. Note: Ventricular shunt fluid or Ommaya reservoir fluid – disinfect reservoir site. Collect fluid through reservoir site and place in sterile container.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
							*Positive results are called immediately	Tube 1 should not be used for Microbiology testing as it is the most likely to be contaminated with skin flora. Tube 2 or 3 should be used for C&S and send outs
EAR CULTURE								
Ear Inner	EARC	Aspirate in a sterile container	< 2hr., RT	Refrigerator	1/day/source	HSN	Gram Stain: same day Culture: 1-2 days	Tympanocentesis should be reserved for complicated, recurrent, or chronic persistent otitis media. Many cases of otitis media may not require culture and are treated empirically. Intact ear drum: Clean canal with mild detergent and collect fluid via syringe aspiration technique. Ruptured ear drum: Collect fluid on flexible-shaft swab via auditory speculum. Antimicrobials are not routinely tested for samples collected from ears.
Ear Outer	EARC	Swab in transport medium	< 2hr., RT	Refrigerator	1/day/source	HSN	Gram Stain: same day	1. Use moistened swab to remove any debris or crust from ear canal.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
							Culture: 1-2 days	2. Obtain specimen by firmly rotating swab in outer canal. For otitis externa, vigorous swabbing is required because surface swabbing may miss streptococcal cellulitis Antimicrobials are not routinely tested for samples collected from ears.
EYE CULTURE								
Corneal scraping Bacteria and Yeasts	EYEC + Source	Call the lab to be able to inoculate directly on agar media	≤15 min, RT	Incubator	None	HSN	Gram Stain – same day. Culture – 1-2 days.	Antimicrobials are not routinely tested for samples collected from eyes.
Conjunctiva	EYEC + Source	Swab in transport medium	< 2hr., RT	Room Temperature	None	HSN	Gram Stain – same day. Culture – 1-2 days.	Antimicrobials are not routinely tested for samples collected from eyes. Note: If suspecting Neisseria gonorrhoeae, please add NGC + Source to the order
Vitreous Fluid	BFC + Vitreous Fluid	Sterile container or Capped Syringe. Do NOT send syringe with needle attached!	< 2hr., RT	Refrigerator	None	HSN	Gram Stain – same day. Culture – 1-2 days.	Antimicrobials are not routinely tested for samples collected from eyes.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
FECES CULTURE								
Stool- Bacterial culture	SC	Enteric Pathogen (GreenTop)Transport (EPT) medium – to the fill line	4°C	4°C	1/day	HSN	Expected time for results: 2-3 days.	Stool is passed into clean, dry container or bedpan. Note: Inpatients (hospitalized 72 hours or more) whose admitting diagnosis was not gastroenteritis or diarrhea, should have specimens requested for *C. difficile* PCR, rather than bacterial culture. Routine examination includes testing for *Salmonella*, *Shigella*, *Yersinia* (<12 years of age), *Campylobacter*, and *E coli* O157:H7
For *Clostridioides difficile* testing, refer to bacterial serology and antigen detection section below								
FLUIDS CULTURE								
Body fluids from normally sterile area Sterile aspirates Fine Needle Aspirates	BFC + Source	**Never submit a swab dipped in Fluid Sterile Container	< 2hr., RT	Refrigerator	None	HSN	Gram Stain – within 2 hours Culture – 1-5 days.	1. Disinfect overlying skin. 2. Aspirate aseptically via percutaneous needle aspiration or at surgery.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
		Bacteria:>1-2 ml						
GENITAL TRACT FEMALE CULTURE								
Amniotic fluid	GENC + Source	Sterile container	<2hr, RT	Room Temperature	None	HSN	Gram Stain – 1-2 hours Culture 1-5 days	Collected by physician or authorized personnel and placed in a Sterile container
Bartholin's cyst	GENC + Source	Sterile container	<2hr, RT	Room Temperature	1/day	HSN	Gram Stain – 1-2 hours Culture 1-5 days	Collected by physician or authorized personnel 1) Disinfect skin 2) Aspirate fluid from duct 3) Place in a Sterile Container
Cul-de-sac fluid	GENC + Source	Sterile container	<2hr, RT	Room Temperature	1/day	HSN	Gram Stain – 1-2 hours Culture 1-5 days	Collected by physician or authorized personnel. Submit aspirate or fluid Sterile container
Endometrial tissue/ secretions	GENC + Source	Sterile container or transport tube from protected catheter	<2hr, RT	Room Temperature	1/day	HSN	Gram Stain – 1-2 hours Culture 1-5 days	Collected by physician or authorized personnel. Requires protected catheter

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
Products of conception	GENC + Source	Submit portion of tissue in sterile container	<2hr, RT	Room Temperature	1/day	HSN	Gram Stain – 1-2 hours Culture 1-5 days	
Vaginal Swab	GENC + Source .	Swab in transport media	<2hr, RT	Refrigerator	1/day	HSN	Same day	1) Wipe away excessive amounts of secretion or discharge. 2) Obtain secretions from mucosal membrane of vaginal vault with a sterile swab. 3) Insert swab into transport media Microscopic examination only for bacterial vaginosis, yeast and Trichomonas. NOTE: Specimen not appropriate for culture of N*eisseria gonorrhoeae*. Trichomonas culture is recommended. Collect a second vaginal specimen and place swab

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
								in trichomonas culture medium and order (TRIWC). This medium is available from the Microbiology laboratory
Intrauterine device	GENC + Source	Sterile container	<2hr.RT	Refrigerator	1/day	HSN	Same day	Collected by physician or authorized Sterile container personnel. Place entire device into sterile container
Urethral/Cervical/Endocervical swabs Refer to pathogen specific section below								
GENITAL TRACT MALE CULTURE								
Seminal Fluid	GENC + Source	Sterile container	<2hr, RT	Room Temperature	1/day	HSN	Gram Stain – same day Culture 1-3 days	Collected by physician or authorized personnel in a Sterile container Cultured for *Neisseria gonorrhoeae* and urinary tract pathogens.
Urethral swabs Refer to pathogen specific section below								

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
LOWER RESPIRATORY TRACT SPECIMENS CULTURE								
Bronchoalveolar Lavage (quantitative) Bacteria and Yeasts	RC + Source	Sterile container	<2hr, RT	Refrigerator	1/day	HSN	Gram Stain – same day Culture – 1-2 days.	Collect washing in a sputum trap
Endotracheal aspirate Bacteria and Yeasts	RC + Source	Sterile container	<2hr, RT	Refrigerator	1/day	HSN	Gram Stain – same day Culture – 1-2 days.	Collect aspirate in a sputum trap
Bronchial Brush Bacteria and Yeasts	RC + Source	Sterile container with 1 ml. of sterile, non-bacteriostatic saline.	< 2 hr., RT	N/A	1/day	HSN	Gram Stain – same day Culture – 1-2 days.	Place brush in sterile container with 1 ml of sterile non-bacteriostatic saline. Must be processed within 2 hours
Bronchial washings Bacteria and Yeasts	RC + Source	Sterile container Bacteria >1ml	<2hr, RT	Refrigerator	none	HSN	Gram Stain – same day Culture – 1-2 days.	Collected by physician or authorized personnel **No quantitative information provided**
Sputum, expectorated	SPUTC	Sterile container >1ml	<2hr, RT	Refrigerator	1/day	HSN	Gram Stain – same day Culture – 1-2 days.	Collected by physician or authorized personnel 1) Have patient rinse or gargle with water to remove excess oral flora.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
								2) Instruct patient to cough deeply to produce a lower respiratory specimen. 3) Collect in a sterile container For pediatric patients unable to produce a sputum specimen authorized personnel should collect a specimen via suction. Note: Sputum specimens for bacterial culture are screened to determine quality. Unsatisfactory specimens are not processed and a repeat specimen is requested
Sputum, Induced	SPUTC	Sterile container >2 ml.	<2hr, RT	Refrigerator	2 per admission	HSN		**Indicate that sputum is induced** Note: Sputum specimens for bacterial culture are NOT screened to determine quality.
UPPER RESPIRATORY TRACT SPECIMENS CULTURE								
Refer to pathogen specific section below and/or for bacterial molecular assays								

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
TISSUE/BIOPSY CULTURE								
Tissue/Biopsy for Bacteria and Yeasts	TISC	Sterile dry container	<15min, RT	Refrigerator	None	HSN	Gram stain: within 2 hrs Culture 1-5 days	1) Collected by physician or authorized personnel. 2) Submit in sterile container. 3) For small samples, add several drops of sterile non-bacteriostatic saline to keep moist 4) Do not allow tissue to dry out.
URINE CULTURE								
Female midstream	UC + Source	Sterile container >1ml	< 30 min, RT	Refrigerator	1/day	HSN	No Gram Stain Culture results:1-3 days	1. Clean urethral, vaginal vestibule area with soap and water. 2. Rinse with wet gauze wipes. 3. While holding labia apart, begin voiding. 4. Allow a few ml of urine to pass; collect midstream portion without stopping urine flow
Male midstream	UC + Source	Sterile container >1 ml	< 30min. RT	Refrigerator	1/day	HSN	No Gram Stain Culture results:1-3 days	1. Clean glans with soap & water. 2. Rinse with wet gauze wipes. 3. While holding foreskin retracted, begin voiding.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
								4. Allow a few ml of urine to pass;collect midstream portion without stopping urine flow
In/Out catheter	UC + Source	Sterile container >1ml	<30 min., RT	Refrigerator	1/day	HSN	No Gram Stain Culture results:1-3 days	Collected by physician or authorized personnel **Please choose the proper source for in/out catheter as these specimens are processed differently from midstream urines or indwelling catheters.**
Indwelling catheter	UC + Source	Sterile container >1ml	< 30 min. RT	Refrigerator	1/day	HSN	No Gram Stain Culture results:1-3 days	Foley catheter tips are not acceptable for culture Patients with chronic indwelling catheters always have bacteria in their bladders. Do not collect urine from these patients unless they are symptomatic.
Ileal conduit	UC + Source	Sterile container >1 ml	<30 min. RT	Refrigerator	1/day	HSN	No Gram Stain Culture results:1-3 days	Collected by physician or authorized personnel.
Neonatal bagged urine	UC + Source	Sterile container >1 ml	<30 min. RT	Refrigerator	1/day	HSN	No Gram Stain	Collected by physician or authorized personnel.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
							Culture results:1-3 days	A collection bag is placed over the external genitalia. Urine from the bag is transferred to a sterile container
Urine Nephrostomy	UC + Source	Sterile container > 1ml	< 30 min. RT	Refrigerator	1/day	HSN	No Gram Stain Culture results:1-3 days	Collected by physician or authorized personnel. Urine draining from a nephrostomy tube placed in the renal pelvis is collected into a clean, sterile container
Cystoscopic/ Bladder/ Kidney, Ureter	UC + Source	Sterile container >1ml	<30 min. RT	Refrigerator	none	HSN	No Gram Stain Culture results:1-3 days	Collected by physician or authorized personnel. Place collected specimen in sterile container
Suprapubic aspirate	UC + Source	Sterile container >1ml	<30 min. RT	Refrigerator	1/day	HSN	No Gram Stain Culture results:1-3 days	Collected by physician or authorized personnel. Urine is aspirated through the bladder using a sterile needle and syringe. The urine is transferred to a clean, sterile container
Segmented Urine Cultures	UC + Source	Separate sterile container for each specimen.	<30 min. RT	Refrigerator	1/day	HSN	No Gram Stain	Collected by physician or authorized personnel.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
							Culture results:1-3 days	Three urine specimens plus prostatic secretions are collected and designated as follows: VB1 = first voided urine representing the urethra VB2 = midstream urine representing the bladder VB3 = first voided urine after prostatic massage representing the prostate. EPS= expressed prostatic secretions
BACTERIAL CULTURES PATHOGEN SPECIFIED								
Neisseria gonorrhoeae Culture	NGC + Source	Swab in charcoal media <u>Acceptable sources</u>: Urethra Cervix Rectal Throat Eye	<2hr, RT	Room Temperature	1/day	HSN	No gram stain Culture 2-3 days	<u>Female urethral swab</u>: 1) Collect 1h after patient has urinated 2) Remove exudate from urethral orifice 3) Collect discharge material on swab by massaging the urethra against the pubic symphysis through the vagina Note: If no discharge can be obtained, insert a urethrogenical swab 2-4 cm. into urethra, rotate swab, and leave in place for at least 2 seconds. 4) Insert swab in swab transport system. <u>Cervical swab</u>: 1) Visualize the cervix using a speculum without lubricant.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
								2) Remove mucus and/or secretions from cervix with swab , and discard swab 3) Firmly yet gently, sample endocervical canal with sterile swab. 4) Insert swab into swab transport media <u>Rectal swab</u>: 1) Carefully insert a sterile swab in. beyond anal sphincter. 2) Gently rotate swab and sample the anal crypts. 3) Remove swab and place in swab transport <u>Male urethral swab</u>: 1) Insert a small swab 2-4 cm. into urethral lumen, rotate swab, and leave in place for at least 2 seconds. 2) Insert swab in swab transport system.
S. aureus and MRSA Nasal Swab	NC + Source	Swab in transport media	<2 hr, RT	Refrigerator	1/day	HSN	Culture – 1-2 days	1) Drop 2 drops of non bacteriostatic saline onto a sterile swab. 2) Insert swab deep in the anterior nares. Sample front, sides and back of nares for 5 seconds. 3) The same swab may be used for both sides 4) Insert swab into swab transport system.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
Streptococcus agalactiae (GBS) Vaginal/ rectal Pre-natal screen	GBS + Source	Swab in transport media	<2hr, RT	Refrigerator	1/day	HSN	No gram stain Culture 2-3 days	1) Use one swab 2) Swab vagina first and then rectum and place in transport media Pre-natal screen for group B streptococci. Done at 35 –38 weeks
Streptococcus pyogenes (GAS) Throat Swab	TC	Swab in transport media	<2 hr, RT	Refrigerator	1/day	HSN	Culture – 1-2 days	Collected by physician or authorized personnel. 1) Depress tongue with a tongue depressor. 2) Sample poster pharynx, tonsils and inflamed areas with a sterile swab. 3) Insert swab into swab transport system **Throat swab cultures are contraindicated in patients with epiglotitis.**
MDRO Surveillance Swabs								
Methicillin Resistant Staphylococcus aureus (MRSA)	MRSA + Source	Swab in transport media Acceptable sources include nares, rectal and wounds	<2 hr, RT	Refrigerator	1/week	HSN	Culture – 1-3 days	Moisten swab in sterile saline before collection – all sites. After collection, place swabs in charcoal transport medium. <u>Nares:</u>

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
								Insert swab in one nare, rotate and remove. Using same swab repeat in second nare. Rectal/perineal: Swab perineum from front to back ending by entering rectum. Open lesions/draining wounds: Swab the lesion/drainage
Vancomycin Resistant Enterococci (VRE)	VRE + Source	Swab in transport media Acceptable sources are stool or rectal swab	<2 hr, RT	Refrigerator	1/week	HSN	Culture – 1-3 days	
Carbapenemase Producing Enterobacterales (CPE)	CPE	Swab in transport media Acceptable sources are rectal swab or urine	<2 hr, RT	Refrigerator	1/week	HSN	Culture – 1-3 days	
Candida auris	CAURIS	Swab in transport media Acceptable sources are nasal, axillary/groin	<2 hr, RT	Refrigerator	1/week	HSN	Culture – 1-3 days	Swabbing includes a single bilateral swab of the axilla and groin areas using a charcoal swab.
BACTERIAL MOLECULAR ASSAYS								
Bacterial Respiratory Panel **ONLY tests for Bacterial pathogens **Bacteria:** *Bordetella parapertussis* *Bordetella pertussis* *Chlamydia pneumoniae*	RPCRB	Nasopharyngeal swab in UTM Throat swab in UTM	<2 hr, RT	Refrigerator	1/day	HSN	Within 24 hrs	PCR will be performed in-house for all specimen types.

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
Mycoplasma pneumonia								
		Sputums and BAL in sterile container						
Meningitis/Encephalitis PCR	MEPCR	Sterile container	Room temperature NEVER refrigerate	Room temperature NEVER refrigerate	None	HSN	Within 24hrs	Panel includes the following pathogens: Escherichia coli K1 *Haemophilus influenzae* *Listeria monocytogenes* *Neisseria meningitidis* *Streptococcus agalactiae* *Streptococcus pneumoniae* Cytomegalovirus (CMV) Enterovirus (EV) Herpes simplex virus 1 (HSV-1) Herpes simplex virus 2 (HSV-2) Human herpesvirus 6 (HHV-6) Human parechovirus (HPeV) Varicella zoster virus (VZV) Cryptococcus (C. neoformans/C. gatti)

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
BACTERIAL SEROLOGY AND ANTIGEN DETECTION ASSAYS								
Clostridioides difficile EIA and PCR	CDIFFMIC	Liquid stool in a Sterile dry container; 5-10 ml.	4°C if not tested within 1h	4°C	1/week	HSN	Expected time for results: 24 hours	Diarrheal/liquid/soft stool only. Patients should be passing ≥3 loose stool/24hr. Dry or formed stool will not be processed. Screen test: EIA All screen positive stools are processed via PCR

Microbiology – Virology

Note: Molecular methods are preferred over Viral Culture for detection of viruses in Tissues and CSF due to increased sensitivity. Please do not order Viral Culture. Instead, please refer to pathogen specific assays listed below

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
VIRAL MOLECULAR ASSAYS PATHOGEN SPECIFIC								
Adenovirus Enteric								See Gastroenteritis Panel
Adenovirus Respiratory								See Respiratory Viruses
Avian Influenza PCR		NP **AND** a Throat Swab in UTM 2mL BAL or Pleural Fluid in sterile container 1g respiratory tract tissue	4°C	Ship on ice packs	None	Screen test done at HSN Positive screens will be forwarded to PHOL and/or NML for confirmation	HSN TAT 24hrs Mon-Fri PHOL/NML confirmation of positive screens up to 14 days	Include exposure/travel history Recommend to test for COVID-19 and other respiratory viruses (RPCR)
Coronavirus Disease 2019 (COVID-19) PCR	COVID19	NP, Oral/Nasal, Throat, Upper respiratory tract sample in UTM	4°C	Ship on ice packs	None	HSN	24hr	
Coxsackie								See Enterovirus
Cytomegalovirus Qualitative PCR	MEPCR	400uL CSF	<2 hr, RT	Refrigerator	None	HSN	24hr	*Included in the MEPCR panel

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
Enterovirus PCR		1g Stool in sterile container (Unpreserved)	2°C to 8°C up to 72hrs	2°C to 8°C and ship on ice packs up to 72hrs >72hrs, freeze at -70°C and ship on dry ice	None	PHOL	Up to 3 days after receipt	Laboratory testing for Enterovirus should be considered for patients with severe respiratory illness, neurologic symptoms suspected to be associated with viral illness (e.g. meningitis/encephalitis or AFP/AFM) or myocarditis Testing of lesions for illnesses such as Hand, Foot and Mouth is not recommended (self-limiting illness) *If specifically testing EV-D68, please indicate on the requisition **Molecular serotyping is available as a sendout upon request. Consider subtyping from cases with complicated or atypical respiratory infections (e.g. requiring ICU or fatal), neurological complications such as AFP/AFM
		Skin lesion swabs in UTM				PHOL	Up to 3 days after receipt	
	RPCR	NP, Throat swab in UTM				HSN	Within 24hrs	
		BAL, pleural fluid, Sputum in Sterile container				PHOL	Up to 3 days after receipt	
	MEPCR	400uL CSF				HSN	Within 24hrs	
Herpes Simplex 1,2 (HSV) & Varicella Zoster Virus (VZV) PCR	HSVVZVPCR + Source	CSF in a Sterile container	<2 hr, RT	Refrigerator	None	HSN	Within 24hrs	Panel includes: Herpes simplex virus 1 (HSV-1) Herpes simplex virus 2 (HSV-2) Varicella zoster virus (VZV)
		Lesion swabs in UTM						
PARECHOVIRUS PCR	MEPCR	400uL CSF in sterile container	<2 hr, RT	Refrigerator	None	HSN	Within 24hrs	*Included in the MEPCR panel

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
Respiratory FLUVID Panel ****Tests ONLY for COVID-19, FluA/B and RSV**	FLUVID	NP, Throat, Oral/Nasal Swab in Viral Transport Media (e.g. UTM)	<2 hr, RT	Refrigerator	1/day	HSN	Within 24 hrs	**Viruses:** Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Influenza A virus Influenza B virus Respiratory syncytial virus

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
Respiratory VIRAL Panel ****Includes ONLY the viral pathogens**	RPCRV	NP, Throat, Oral/Nasal Swab in Viral Transport Media (e.g. UTM)	<2 hr, RT	Refrigerator	1/day	HSN	Within 24 hrs	Panel includes the following viral pathogens ONLY: **<u>Viruses:</u>** Adenovirus Coronavirus 229E Coronavirus HKU1 Coronavirus NL63 Coronavirus OC43 Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Human Metapneumovirus Human Rhinovirus/Enterovirus Influenza A virus Influenza A virus A/H1 Influenza A virus A/H3 Influenza A virus A/H1-2009 Influenza B virus Parainfluenza virus 1 Parainfluenza virus 2 Parainfluenza virus 3 Parainfluenza virus 4 Respiratory syncytial virus

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
Respiratory Complex Panel ****Includes BOTH viral and bacterial pathogens** NOTE: If only Bacterial pathogens are required, please refer to the Bacterial Respiratory molecular section	RPCRP	NP, Throat, Oral/Nasal Swab in Viral Transport Media (e.g. UTM)						Panel includes the following pathogens: **Viruses:** Adenovirus Coronavirus 229E Coronavirus HKU1 Coronavirus NL63 Coronavirus OC43 Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Human Metapneumovirus Human Rhinovirus/Enterovirus Influenza A virus Influenza A virus A/H1 Influenza A virus A/H3 Influenza A virus A/H1-2009 Influenza B virus Parainfluenza virus 1 Parainfluenza virus 2 Parainfluenza virus 3 Parainfluenza virus 4 Respiratory syncytial virus

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
								Bacteria: Bordetella parapertussis Bordetella pertussis Chlamydia pneumoniae Mycoplasma pneumonia
Meningitis/Encephalitis PCR	MEPCR	Sterile container	<2 hr, RT	Refrigerator	None	HSN	Within 24hrs	Panel includes the following pathogens: Escherichia coli K1 Haemophilus influenzae Listeria monocytogenes Neisseria meningitidis Streptococcus agalactiae Streptococcus pneumoniae Cytomegalovirus (CMV) Enterovirus (EV) Herpes simplex virus 1 (HSV-1) Herpes simplex virus 2 (HSV-2) Human herpesvirus 6 (HHV-6) Human parechovirus (HPeV) Varicella zoster virus (VZV) Cryptococcus (C. neoformans/C. gatti
Respiratory FLUVID Panel ****Tests ONLY for COVID-19, FluA/B and RSV**	FLUVID	NP, Throat, Oral/Nasal Swab in Viral Transport Media (e.g. UTM)	<2 hr, RT	Refrigerator	1/day	HSN	Within 24 hrs	**Viruses:** Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Influenza A virus

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
								Influenza B virus Respiratory syncytial virus
Respiratory VIRAL Panel ****Includes ONLY the viral pathogens**	RPCRV	NP, Throat, Oral/Nasal Swab in Viral Transport Media (e.g. UTM)	<2 hr, RT	Refrigerator	1/day	HSN	Within 24 hrs	Panel includes the following viral pathogens ONLY: **<u>Viruses:</u>** Adenovirus Coronavirus 229E Coronavirus HKU1 Coronavirus NL63 Coronavirus OC43 Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Human Metapneumovirus Human Rhinovirus/Enterovirus Influenza A virus Influenza A virus A/H1 Influenza A virus A/H3 Influenza A virus A/H1-2009 Influenza B virus Parainfluenza virus 1 Parainfluenza virus 2 Parainfluenza virus 3 Parainfluenza virus 4 Respiratory syncytial virus

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
Respiratory Complex Panel ****Includes BOTH viral and bacterial pathogens** NOTE: If only Bacterial pathogens are required, please refer to the Bacterial Respiratory molecular section	RPCRP	NP, Throat, Oral/Nasal Swab in Viral Transport Media (e.g. UTM)						Panel includes the following pathogens: **Viruses:** Adenovirus Coronavirus 229E Coronavirus HKU1 Coronavirus NL63 Coronavirus OC43 Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Human Metapneumovirus Human Rhinovirus/Enterovirus Influenza A virus Influenza A virus A/H1 Influenza A virus A/H3 Influenza A virus A/H1-2009 Influenza B virus Parainfluenza virus 1 Parainfluenza virus 2 Parainfluenza virus 3 Parainfluenza virus 4 Respiratory syncytial virus **Bacteria:**

Test	Order	Specimen Container and/or Min. Vol.	Optimum Specimen Transport Temperature	Optimum Specimen Storage Temperature	Replica Limits	Performing Laboratory	Expected Turn Around Time	Notes/Specimen Criteria
								Bordetella parapertussis Bordetella pertussis Chlamydia pneumoniae Mycoplasma pneumonia

Anatomical Pathology - Histology

Test	Meditech Laboratory Mnemonic	Specimen Container/Fixative	External Client Optimal Transportation Guidelines
Tissue Biopsy	Must be ordered in OM (Order Management)	Tissue specimens for routine histopathology should be submitted in a container of 10% neutral buffered formalin (NBF).	**Required Sample Volume:** See "Specimen Container" Section **Sample Transportation:** Store and ship at room temperature. Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts **Other Information:** The optimum volume of fixative is 15-20 times the specimen volume. Do NOT force a large specimen into a small container and do not use a large container for a tiny specimen. Place the specimen container in the main compartment of a transport bag. Fold and place the requisition in the side pocket.
Limbs	Must be ordered in OM (Order Management)	Formalin container or if too large, double bagged (any color) and transported to the lab with the requisition.	**Required Sample Volume:** See "Specimen Container" Section **Sample Transportation:** Store and ship at room temperature. Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts **Other Information:** In cases where Pathology is not requested on a limb and it is identified by the patient or patient's agent as desired to be returned due to a religious belief, the care giver is responsible for making arrangements with security to store the limb in the morgue.
Breast: •lumpectomy •simple mastectomy •modified radical mastectomy •needle localization	Must be ordered in OM (Order Management)	10 % formalin or fresh	**Required Sample Volume:** See "Specimen Container" Section **Sample Transportation:** Store and ship at room temperature. Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts **Other Information:** All breasts are marked as STAT. Total ischemic time (removal from body to time in formalin) must NOT exceed 1 hour.
Lung: •lobectomy •partial lobectomy •pneumonectomy •wedge •resection •lingula	Must be ordered in OM (Order Management)	10 % formalin or fresh	**Required Sample Volume:** See "Specimen Container" Section **Sample Transportation:** Store and ship at room temperature. Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts **Other Information:** All lung tissues are marked as STAT. Total ischemic time (removal from body to time in formalin) must NOT exceed 1 hour.
Lymphoma Protocol	Must be ordered in OM (Order Management)	No fixative (Sterile container)	**Required Sample Volume:** See "Specimen Container" Section **Sample Transportation:** Store and ship at room temperature. Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts

Test	Meditech Laboratory Mnemonic	Specimen Container/Fixative	External Client Optimal Transportation Guidelines
			Other Information: Send STAT to the laboratory in a sterile container.
Muscle Biopsy	Must be ordered in OM (Order Management)	Wrap the tissue with saline moistened gauze and send it STAT to the lab. It should not be fully immersed in saline, nor fixed in formalin or other fixatives.	**Required Sample Volume:** See "Specimen Container" Section **Sample Transportation:** Store and ship at room temperature. Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts **Other Information:** Best muscles to be sampled include: Deltoid, Bicep, Quadricep **Note:** A fresh strip of muscle about 3 x 1 cm shall be carefully isolated and removed. Stretch the tissue to it's natural in-situ size onto a piece of cardboard or a wooden tongue depressor and secure the ends with pins/needles. This is necessary to avoid artefactual contraction of the sample. Wrap the tissue with saline moistened gauze and send it STAT to the lab. It should not be fully immersed in saline, nor fixed in formalin or other fixatives.
Renal Biopsy	Must be ordered in OM (Order Management)	Gauze dampened with 0.85% saline	**Required Sample Volume:** See "Specimen Container" Section **Sample Transportation:** Store and ship at room temperature. Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts **Other Information:** 3 good cores consisting of renal parenchyma should be obtained
Skin Biopsy for Immunofluorescence	Must be ordered in OM (Order Management)	Michel's transport media and 10% formalin	**Required Sample Volume:** See "Specimen Container" Section **Sample Transportation:** Store and ship at room temperature. Send sample at Room Temperature with Room Temperature Ice Packs/Foam inserts **Other Information:** Two 4-5mm skin punch biopsies are needed: One lesional biopsy in formalin One perilesional biopsy in Michel's Media Send to lab as soon as possible. Michel's media may be held at room temperature or 4°C for up to 5 days.
Fresh Tissue for Frozen Sections	Must be ordered in OM (Order Management)	Fresh tissue for Frozen Sections (FS) is brought STAT to the OR suite or lab receiving window. Please see chart for instructions. *May not be available for referred in*	

<table>
<tr><th>Test</th><th>Meditech Laboratory Mnemonic</th><th>Specimen Container/Fixative</th><th>External Client Optimal Transportation Guidelines</th></tr>
<tr><td></td><td></td><td>testing due to time constraints, and specimen integrity.</td><td>
<table>
<tr><td>Monday to Friday 08:00-15:00</td><td>1.Send to OR frozen section room
2. Call ext. 1218 to inform of frozen section</td></tr>
<tr><td>Monday to Friday 15:00-22:30</td><td>1. Call ext.1218 to inform them of frozen section coming
2. Hand deliver specimen to lab receiving window</td></tr>
<tr><td>Saturday/Sunday 08:00-16:00</td><td>2. Call ext.1218 to inform them of frozen section coming
1. Hand deliver specimen to lab receiving window</td></tr>
<tr><td>Saturday/Sunday
after 16:00</td><td>1. Call ext.3230 to inform them that a frozen section is coming. The pathologist on-call can be paged by the OR surgeon/delegate or the lab can page the pathologist as well an MLT to cut the specimen. Please give 30 minutes notice if possible so called in staff have time to get to the hospital
2. Hand deliver specimen to lab receiving window</td></tr>
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Cytology/Cytopathology

For referral sites, (Mattawa, Espanola, Little Current, Temiskaming Shores, Blind River, Manitoulin Health Centre, and Elliot Lake), please refer to procedure "Cytopathology specimen fixation guidelines and cytology specimen collection container preparation – Off site Locations" for cytology specimen handling.

Please call the Cytopathology Department at 705-523-7100 Extension 8625 between 07:30 – 1600, Monday to Friday for any clarification regarding specimen collection/handling.

Test /Specimen Type	Meditech Laboratory Mnemonic	Specimen Container/Fixative	External Client Optimal Transportation Guidelines
Body Cavity Fluid •Pleural •Peritoneal •Pericardial	PNGCYTO (Non Gyn Cytology)	Cytology fixative 30ml(CytoLyt®) Up to 50 mL of sample can be fixed in one Cytology specimen container	**Required Sample Volume/Fixative:** See "Specimen Container/Fixative" Section **Sample Preparation:** Heparin should be added if possible to CytoLyt Add 5 IU of Heparin per ml of Cytology fluid collected. e.g.: 1 ml of 10,000 IU/ml Heparin can be added to any volume of fluid collected up to 2000 ml **Sample Transportation:** Place and send the original container with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation **Other Information/Special Handling:** Patient's Name, Hospital ID# or D.O.B.,the Specimen type, target tissue and laterality if applicable, Date and Time collected and accompanied by a completed cytopathology requisition. Specimens **will not** be processed without the required information.
Brush Specimens: •Lung, specify laterality or specific lobe •Esophageal/Gastric •Common bile duct •Kidney or ureter and laterality	PNGCYTO (Non Gyn Cytology)	Cytology fixative 30ml(CytoLyt®) Up to 50 mL of sample can be fixed in one Cytology specimen container	**Required Sample Volume/Fixative:** See "Specimen Container/Fixative" Section **Sample Preparation:** Cut off brush leaving approx. 1" of wire attached to brush. Remove the plastic sheath and deposit the brush in Cytology fixative. **Sample Transportation:** Place and send the original container with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation **Other Information/Special Handling:** Patient's Name, Hospital ID# or D.O.B.,the Specimen type, target tissue and laterality if applicable, Date and Time collected and accompanied by a completed cytopathology requisition. Specimens **will not** be processed without the required information. DO NOT make slides.
Cerebrospinal Fluid (CSF) For Cytology Only	PNGCYTO (Non Gyn Cytology)	Cytology fixative 30ml(CytoLyt®) Up to 50 mL of sample can be fixed in one Cytology specimen container	**Required Sample Volume/Fixative:** See "Specimen Container/Fixative" Section **Sample Preparation:** If collected in a sterile container, add all the specimen to a Cytology fixative specimen container. **Sample Transportation:** **Other Information/Special Handling:** Patient's Name, Hospital ID# or D.O.B.,the Specimen type, target tissue and laterality if applicable, Date and Time collected and accompanied by a completed cytopathology requisition. Specimens **will not** be processed without the required information.

Test /Specimen Type	Meditech Laboratory Mnemonic	Specimen Container/Fixative	External Client Optimal Transportation Guidelines
Fine Needle Aspirates -all body sites Specify target tissue (i.e. Lymph node) and applicable laterality and anatomical location (i.e. left supraclavicular).	PNGCYTO (Non Gyn Cytology)	Cytology fixative 30ml(CytoLyt®) Up to 50 mL of sample can be fixed in one Cytology specimen container	**Required Sample Volume/Fixative:** See "Specimen Container/Fixative" Section **Sample Preparation:** Add specimen collected to a specimen container of Cytology fixative **Sample Transportation:** Place and send the original container with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation **Other Information/Special Handling:** Patient's Name, Hospital ID# or D.O.B.,the Specimen type, target tissue and laterality if applicable, Date and Time collected and accompanied by a completed cytopathology requisition. Specimens **will not** be processed without the required information.
Pap – Liquid based collection: (Scraper and Brush)	PGYNE for Gyn samples.	PreservCyt® Fixative Vial	**Required Sample Volume/Fixative:** See "Specimen Container/Fixative" Section **Sample Preparation:** Scraper: Place scraper into a PreservCyt fixative vial and swish vigorously for 10 seconds. Discard scraper. Brush: Place brush into a PreservCyt fixative vial. Slowly rotate brush 10 times while pressing the brush end against the side of the container. Vigorously swish the brush end for an additional 10 seconds to remove any remaining material. Discard the brush. **Sample Transportation:** Place and send the original container with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation **Other Information/Special Handling:** Patient's Name, Hospital ID# or D.O.B.,the Specimen type, target tissue and laterality if applicable, Date and Time collected and accompanied by a completed cytopathology requisition. Specimens **will not** be processed without the required information.
Sputum	PNGCYTO (Non Gyn Cytology)	Cytology fixative 30ml(CytoLyt®)	**Required Sample Volume/Fixative:** See "Specimen Container/Fixative" Section **Sample Preparation:** If collected in a sterile container, add all the fixative from a Cytology specimen container. Mix well and transfer specimen back to the Cytology fixative container **Sample Transportation:** Place and send the original container with cold ice packs inside a secure transportation bag to maintain proper refrigeration temperature during transportation **Other Information/Special Handling:** Patient's Name, Hospital ID# or D.O.B.,the Specimen type, target tissue and laterality if applicable, Date and Time collected and accompanied by a completed cytopathology requisition. Specimens **will not** be processed without the required information.
Urine: Specify voided or catheter, or from nephrology tube	PNGCYTO (Non Gyn Cytology)	Cytology fixative 30ml(CytoLyt®) Up to 50 mL of sample can be fixed in one Cytology specimen container	**Required Sample Volume/Fixative:** See "Specimen Container/Fixative" Section **Sample Preparation:** Urine: Specify voided or catheter, or from nephrology tube **Sample Transportation:** Place and send the original container with cold ice packs inside a secure transportation bag to maintain proper refrigeration

Test /Specimen Type	Meditech Laboratory Mnemonic	Specimen Container/Fixative	External Client Optimal Transportation Guidelines
			temperature during transportation **Other Information/Special Handling:** Patient's Name, Hospital ID# or D.O.B.,the Specimen type, target tissue and laterality if applicable, Date and Time collected and accompanied by a completed cytopathology requisition. Specimens **will not** be processed without the required information.

Genomics

For any inquiries, please contact the Genomics department at 705-523-7100 Extension: 1577

Test/Specimen Type	Meditech Laboratory Mnemonic	Specimen Container	External Client Optimal Transportation Guidelines
Blood or liquid bone marrow aspirate (ship ambient*)	GENOM + Sample Type + Tests Requested	Please Refer to Genomics Requisition for current specimen requirements. https://www.hsngenomics.org/test-order-forms.html	Ship ambient temperature To avoid sways in sample temperature during shipping, it is recommended that samples shipped ambient are sent in a Styrofoam cooler with a wet ice pack.
Paraffin-embedded material	GENOM + Sample Type + Tests Requested	Please Refer to Genomics Requisition for current specimen requirements. https://www.hsngenomics.org/test-order-forms.html	Ship ambient temperature To avoid sways in sample temperature during shipping, it is recommended that samples shipped ambient are sent in a Styrofoam cooler with a wet ice pack.
Fresh frozen solid tissue (ship on dry ice)	GENOM + Sample Type + Tests Requested	Please Refer to Genomics Requisition for current specimen requirements. https://www.hsngenomics.org/test-order-forms.html	Ship on dry ice
Fresh solid tissue	GENOM + Sample Type + Tests Requested	Please Refer to Genomics Requisition for current specimen requirements. https://www.hsngenomics.org/test-order-forms.html	Ship ambient temperature To avoid sways in sample temperature during shipping, it is recommended that samples shipped ambient are sent in a Styrofoam cooler with a wet ice pack.
Body fluids	GENOM + Sample Type + Tests Requested	Please Refer to Genomics Requisition for current specimen requirements. https://www.hsngenomics.org/test-order-forms.html	Ship ambient temperature To avoid sways in sample temperature during shipping, it is recommended that samples shipped ambient are sent in a Styrofoam cooler with a wet ice pack.