



# Laboratory Reflex Test List

Initial Test	Reflex Criteria	Reflex Test
<b><u>Andrology</u></b>		
Semen Analysis	Azoospermic (no sperm present)	Semen Fructose Test
<b><u>Blood Bank</u></b>		
Antibody Screen	Positive	Antibody Identification, DAT (Eluate if needed), Antigen Type
Blood Administration	Any Patient exceeding transfusion reaction limits	Transfusion Reaction Work-Up
Direct Coombs	Positive	Eluate, antibody screen, or newborn evaluation
Fetal Screen	Positive	Kleihauer-Betke
Newborn Evaluation	Negative D	Weak D (Du) Testing
Prenatal Screen	Positive	Titer if indicated
Type and Screen	Positive	Crossmatch (if not Anti-D), Antibody ID, Antigen type, Direct Coombs or Eluate if indicated
	Autologous Blood Available	Crossmatch
<b><u>Chemistry</u></b>		
Lipid Panel with Reflex – Calculated LDL	Triglyceride >400 mg/dL	Direct LDL
Thyroglobulin Antibody	<4.0 IU/mL	Thyroglobulin
	>4.0 IU/mL	Thyroglobulin by LC-MS/MS*
<b><u>Cytology</u></b>		
ASCUS and Negative Pap smear	Driven by collecting provider	Human Papillomavirus (HPV) RNA Detection
Pap Smear, ThinPrep Screen <b>AND</b> Human Papillomavirus (HPV) RNA Detection	Negative Pap Smear, ThinPrep Screen <b>AND</b> Positive HPV RNA Detection <b>AND</b> Woman 30-65 years old	HPV RNA Genotyping, High-Risk (16, 18/45)
Thyroid FNA	Atypical of undetermined significance, follicular neoplasm, suspicious follicular neoplasm	ThyraMIR Thyroid miRNA Classifier/ThyGenX Thyroid oncogene Panel*
<b><u>Hematology/Coagulation</u></b>		
Bone Marrow	All	Flow Cytometry, cytogenetics, smear for pathology review, and molecular tests if indicated*
	Hemoglobin <10 gm/dL	Reticulocyte Count
Fetal Hemoglobin Screen Modified Kleihauer-Betke	Fetal Bleed >15 mL	Fetal Hemoglobin Determination for Fetomaternal Hemorrhage*



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Platelet Function	Epinephrine Positive	ADP
Smear for Pathologist Review (SMP)	Complete Blood Count (CBC) test not performed within last 24 hours of SMP Order	Complete Blood Count (CBC)
White Blood Cell Count/Complete Blood Count	WBC <1.0 K/ $\mu$ L	Buffy Coat Prep Differential
<b>Microbiology</b>		
<i>C. difficile</i> by PCR	Positive or Invalid on Repeat Testing	<i>C. difficile</i> Toxigenic EIA
Culture, Acid Fast	1 <sup>st</sup> Culture Positive	Acid Fast Bacteria Identification*
	<i>M. tuberculosis</i> Identified	Susceptibility Panel*
Culture, Aerobe, Anaerobe, Blood or Urine	Suspect Pathogen	Organism Identification, Susceptibility Panel if indicated per published guidelines
Culture, Aerobe, Blood, Fungal, or Urine	<i>Candida auris</i>	WSLH Surveillance Testing
Culture, Anaerobe	Significant anaerobic pathogen in sterile source	Susceptibility Panel
Culture, Fungal	Suspect Pathogen	Organism Identification
Culture, Fungal Blood	Yeast or Mold Identified	Susceptibility Panel
GI PCR Panel	WEDSS Reportable Organism	Surveillance Testing at WSLH (Fee Exempt Testing)*
Group B Strep by PCR	Invalid on Repeat Testing	Group B Strep Culture
	Positive, Patient w/ Penicillin or Cephalosporin allergy	Group B Strep Culture w/ susceptibility for Erythromycin and Clindamycin
Meningitis PCR Panel	WEDSS Reportable Organism	Surveillance Testing at WSLH (Fee Exempt Testing)*
Respiratory PCR Panel	WEDSS Reportable Organism	Surveillance Testing at WSLH (Fee Exempt Testing)*
<b>Serology</b>		
Hepatitis B Core Antibody	Reactive	Hepatitis B Virus Core Antibody, IgM*
Hepatitis B Surface Antigen	Reactive	Hepatitis B Virus Surface Antigen, Confirmation*
Hepatitis C Antibody	Positive or Indeterminate	Hepatitis C Virus by Quantitative NAAT*
HIV Ab/Ag Combo	Reactive	HIV-1/2 Ab Diff, Supplemental w/ Reflex*
Rapid HIV-1/2 Antibody Test	Positive	HIV Ab/Ag Combo



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Lyme Disease Serology (IgG and IgM)	Positive or Equivocal	Lyme Abs, IgG and IgM by Immunoblot*
Syphilis Antibody	Reactive	RPR With Reflex RPR Titer or T. pallidum Ab by Particle Agglutination*
<b><u>Surgical Pathology</u></b>		
Surgical Specimens	Gastric & Colon Biopsies with adenocarcinoma	MMR IHC
Surgical Specimens – Endometrial Cancer Resection	Patient under 55 years of age	Lynch syndrome Testing to Reference Lab*

\*- Testing performed at Reference Laboratory

**Last Revised:** 9/26/23