

TESTS INCLUDED IN PANELS**CHEMISTRY:****Comprehensive Metabolic (LAB17)**

Albumin
Alk Phos
Bilirubin, Total
BUN
Calcium
Chloride
CO2
Creatinine
Glucose
Potassium
Protein, Total
Sodium
ALT
AST

Electrolyte (LAB16)

Sodium
Potassium
Chloride
Carbon Dioxide
Anion Gap

IMMUNOGLOBULINS (LAB166)

IgA
IgG
IgM

HEMATOLOGY:**Heme Profile (LAB294)**

White Blood Cell Count
Red Blood Cell Count
Hemoglobin
Hematocrit
Platelet Count
Mean Corpuscular Volume
Mean Corpuscular Hemoglobin
Mean Corpuscular Hemoglobin Concentration
Red Cell Distribution Width (RDW)

Heme Profile w/ Auto Diff (LAB1748)

Heme Profile
Automated Differential

URINALYSIS:**Macroscopic (LAB21012 or LAB21015)**

Color
Appearance
pH
Specific Gravity
Glucose
Protein
Bilirubin
Blood
Nitrate
Urobilinogen
Ketone
Leukocytes

Microscopic (LAB21017)

White Blood Cells
Red Blood Cells
Bacteria
Squamous Epithelium
Mucus
Casts

REFLEXIVE TESTING**Chemistry**

- When a PSA with reflexive free PSA (LAB3842) for screening or (LAB3843 for monitoring) is ordered, a free PSA will be performed and billed if the total is between 2.5 ng/ml and 10 ng/ml.
- When a LAB3889 is ordered, a Free T4 (LAB127) will be performed and billed if the TSH is abnormally high, and a Free T4 and a Total T3 (LAB136) will be performed and billed if the TSH is abnormally low. If a Free T4 or a Total T3 is desired regardless of the reflexive algorithm, circle them separately on front of this form.
- The clinical laboratory will automatically calculate and report glomerular filtration rate (GFR) on all adult out-patients with a serum creatinine, at no charge.
- When % Iron Saturation (LAB3799) is ordered, a Total Iron and TIBC will be performed and billed.
- When a Pregnancy (serum) (LAB144) is positive a HCG (Quant) (LAB143) will be performed and billed.
- LAB3802 includes a measured total cholesterol, triglyceride and HDL-C and calculated LDL-C, when TRIG <400 mg/dl. If the TRIG is \geq 400 mg/dl, a measured LDL-C is reflexively ordered, tested and billed.
- Immunoglobulin A (LAB3009) on patients <18 years old should be ordered as IGA to MML code IGA (LAB3009) – write in or use #2 Lab Req.
- Immunoglobulin G (LAB3007) on patients <18 years old should be ordered as IGG to MML code IGG (LAB3007) – write in or use #2 Lab Req.
- Immunoglobulin M (LAB72) on patients <18 years old should be ordered as IGM to MML code IGM (LAB3008) – write in or #2 Lab Req.

Coagulation

- It is mandatory, that the Platelet Function (LAB318) be scheduled in advance with the Hematology Laboratory (547-3725) and is available routinely Monday through Friday, 8:00 AM-3:00 PM. STAT testing during off-hours, weekends or holidays must be approved by the pathologist on-call. When a Platelet Function test (LAB318) is ordered a Platelet Count (LAB301) and a Hematocrit (LAB289) will be performed and billed

REFLEXIVE TESTING (continued)**Hematology**

- A manual differential is performed when the patient is less than 1 month old.
- A manual differential is performed when the sample fails the following algorithm:

DIFFERENTIAL RULES

Hemogram		Differential	
All neonates			
WBC	< 2.0 and > 30.0 x 10 ³ /μL	Basophils	> 5%

WBC Flags

All WBC Flags require a slide review or differential. These include:

LS
IG
Blast
Atypical/Variant Lymph
NRBC flag

SLIDE REVIEW**RBC IP Messages**

MCV < 65 or > 110 fL
(Microcytosis or Macrocytosis)
Hgb < 7 g/dl (Anemia)
RDW-SD > 65 fL
(Anisocytosis)
Any RBC flag
(abn. dist., dimorphic pop. agglut, etc.)
MCHC <30

PLT Flags (Always Slide Review + Edit)

PLT < 100 x 10³/μL, if no previous slide review (Thrombocytopenia)
PLT > 1000 x 10³/μL (Thrombocytosis)
PLT Abn. dist. or scattergram flag
PLT clump flag

- If a "Differential Only" is ordered (must write in under Other Testing), an automated differential will be performed. A WBC will also be ordered and billed.
- When an Absolute Neutrophil Count is ordered, a WBC and Differential will be performed and billed.

Urines

- A urine sediment examination is performed and billed when RTUA (LAB21012) is ordered and the sample is cloudy or an abnormality is detected.
- When a Routine Urinalysis & Culture if Positive (LAB21014) is ordered, a urine culture is performed if the urine tests positive for leukocyte esterase or nitrite and examination of the urinary sediment reveals less than six squamous epithelial cells/hpf.
- When a Microalbumin (LAB21036) is ordered, a Random Urine Creatinine (LAB384) will be performed and billed..

Microbiology

The following protocols have been established as standard practices in The Mary Imogene Bassett Hospital Microbiology Laboratory. They are based on standard Microbiology reference books (references available upon request) and have been reviewed by the Microbiology Advisory Committee. If a provider does not want any of the reflexive tests performed, use Laboratory Test Request Form #4 and indicate so in the Special Requests Box.

- Organism identification and susceptibility studies are performed as appropriate, according to established protocols that have been approved by the Clinical Laboratory Director. Call Microbiology for details, 547-3707.
- There may be additional charges for these identification and susceptibility procedures.
- When a Rapid Beta Strep (LAB885) is ordered and the results are negative, a culture is done and billed to confirm the negative (LAB2110).
- When an Ova and Parasite-Stool (LAB258) is ordered, the sample will be tested and billed for Cryptosporidium by EIA (LAB258) and Giardia Antigen by EIA (LAB259)

Serology

- When an Antinuclear Antibody (LAB147) is ordered and the screen is positive, a titer is performed and billed.
- When a Cryptococcal Antigen (LAB779) is ordered and the screen is positive, a titer is performed and billed.
- When a Rheumatoid Factor (LAB206) is ordered and the screen is positive, a titer is performed and billed.
- When an RPR (LAB494) is ordered and the screen is positive, a titer and a Treponema Antibody (LAB3599) will be performed and billed.
- When a Lyme IgG/IgM (LAB788) is ordered, and is positive, it will be automatically reflexed to a Lyme Western Blot (LAB860), and billed