

## Laboratory Departments

### Anatomic Pathology

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The Parkway Pathology group provides all MBMC Anatomic Pathology services. The Anatomic Pathology Laboratory consists of the following.

- **Cytopathology**  
The Cytology Laboratory performs cytologic examination of gynecologic and non-gynecologic specimens.
- **Histology**  
The Histology Laboratory performs a wide variety of routine histologic procedures and histochemical stains. In addition, immunohistochemistry is available with access to over 80 antibodies for use on both tissue sections and cytology specimens.

### Blood Bank (Transfusion Medicine)

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The Blood Bank department provides blood and blood components for patient transfusion. Testing includes blood type, antibody screen, antibody panel, absorption, direct antiglobulin test, eluates, antigen typing, fetal RBC screen, and crossmatches.

### Chemistry

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The Chemistry department provides a broad range of tests performed to aid in the patients' diagnosis and treatment. Specimens for Chemistry are processed on a fully automated system capable of identifying, centrifuging, aliquoting, and sorting specimens for rapid delivery to the testing areas. The analysis of various tests by automated instruments and manual procedures includes chemistry profiles, serological testing, cardiac markers, electrophoresis, and therapeutic drugs.

### Customer Support

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Customer Support, dedicated to assisting with questions is available 24 hours a day, 7 days a week. Please contact customer support with any laboratory questions at 314-996-4522.

### Coagulation

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The Coagulation Department offers a variety of tests to evaluate hemostatic functions. These tests are essential in the diagnosis and treatment of bleeding disorders as well as thrombotic diseases. Basic coagulation tests also provide valuable information in the monitoring of anticoagulant therapy.

- **Prothrombin time (PT)**-monitoring oral anticoagulants (warfarin, coumadin)
- **Partial thromboplastin time (PTT)**-monitoring unfractionated heparin
- **Xa**-monitoring low molecular weight heparin (LMWH)
- **D-dimer**-used in diagnosis of disseminated intravascular coagulation (DIC) and to help rule out deep vein thrombosis (DVT) and pulmonary embolism (PE)
- **Fibrinogen**-used in the diagnosis of DIC
- **HIT Ab (PF4-H)**- used as a screen for heparin induce thrombocytopenia

### Hematology

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The Hematology Department is responsible for the measurement of hematologic parameters. The laboratory employs a automated hematology system capable of processing thousands of specimens a day providing complete blood cell counts, reticulocyte counts, and 5-part differentials as well as preparing and staining slides. Manual bench tests include differentials, cell counts on body fluids, erythrocyte sedimentation rates, and crystal analysis on body fluids.

### Microbiology

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The Microbiology Department isolates and identifies bacteria, fungi, and mycobacteria. Antibiotic susceptibility testing is also performed if indicated. Additional testing includes: C. Diff Toxin Assay, Rapid Strep A screen, Giardia/Cryptosporidium Ag, Legionella Ag, S. pneumonia Ag and Vaginitis panel.

## **Molecular**

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The Molecular Diagnostics department is responsible for a variety of PCR and hybridization testing including:

- CT/NG (Chlamydia/Gonorrhea)
- GBS (Group B beta strep)
- HPV
- Influenza A&B
- MRSA
- Respiratory Viral Panel
- RSV
- SARS-CoV-2
- Vaginosis (Candida, Trichomonas, Gardnerella)

## **Point-of-Care (POC)**

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The POC department oversees laboratory testing that is performed at or near the patient's bedside, usually by a member of nursing or other trained professional. POC testing may only be performed by those persons that have been specifically trained and competency tested on the procedure in question. The Laboratory Medical Director and the POC department must approve requests for new POC testing prior to implementation.

## **Sendouts**

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Missouri Baptist Medical Center Sendout Laboratory forwards esoteric testing to reference and specialty laboratories. For tests not listed in the test catalog contact Client Services at 314-996-4522 for information