



- CLIA-Certified, High-Complexity Clinical Laboratory
- Accredited by COLA, ISO and GLP Certifications
- Advanced Molecular & Microbiome Testing
- Fast, Accurate Results – Often Within Hours
- Personalized Diagnostic Solutions & Wellness Panels
- Integrated with EMR Systems | Hassle-Free Billing
- Your Local, Community-Based Diagnostics Partner



At MusB Diagnostics, we offer a spectrum of high-quality services tailored for modern healthcare needs:

- | | | |
|-------------------------|-------------------|-----------------------|
| ● Microbiome Testing | ● Immunoassays | ● Tumor Markers |
| ● Molecular Diagnostics | ● Blood Chemistry | ● Alzheimer's Testing |
| ● Microbiology | ● Wellness Panels | ● Research Testing |
| ● Hematology | ● Drugs Testing | |
| ● Cells and Serology | ● Urinalysis | |

Your Partner in Precision Diagnostics

Our Services

Comprehensive Diagnostic Panels

MOLECULAR DIAGNOSTICS

UTI PATHOGENS

Bacterial Pathogens

- *Escherichia coli* (E. coli)
- *Klebsiella pneumoniae*
- *Proteus mirabilis*
- *Pseudomonas aeruginosa*
- *Acinetobacter baumannii*
- *Enterococcus faecalis*
- *Staphylococcus saprophyticus*
- *Streptococcus agalactiae*
- *Enterobacter cloacae*
- *Citrobacter* spp.
- *Morganella morganii*
- *Providencia stuartii*

Fungal Pathogens

- *Candida albicans*
- *Candida glabrata*
- Parasitic Pathogens
- *Schistosoma haematobium*

Viral Pathogens

- Polyomavirus (e.g., BK virus)
- Cytomegalovirus (CMV)
- Herpes Simplex Virus (HSV)

Mycobacterial Pathogens

- *Mycobacterium tuberculosis*

GI PATHOGENS

Bacterial Pathogens

- *E. coli* O157:H7
- *Salmonella* spp.
- *Shigella* spp.
- *Campylobacter jejuni*
- *Clostridium difficile*
- *Vibrio cholerae*
- *Yersinia enterocolitica*
- *Listeria monocytogenes*

Viral Pathogens

- Human adenovirus
- Norovirus G1
- Norovirus G2
- Rotavirus
- Human astrovirus

Parasitic Pathogens

- *Giardia lamblia*
- *Entamoeba histolytica*
- *Cryptosporidium* spp.

NAIL PATHOGENS

Bacterial Pathogens

- *Trichophyton* spp.
- *Aspergillus*
- *Curvularia* spp.
- *Fusarium solani*
- *Epidermophyton floccosum*
- *Cryptococcus*
- *Malassezia* spp.
- *Sarocladium strictum*
- *Scopulariopsis brevicaulis*
- *Microsporium audouinii/canis*
- *Alternaria*
- *NeoScytalidim d/h*
- *Geotrichum candidum*
- *Candida* spp.
- *Trichosporon*
- *Neofusicoccum mangiferae*

BLOOD VIRAL PATHOGENS

- HIV-1
- Hepatitis C Virus (HCV)
- RNA Hepatitis B Virus (HBV)

Bacterial Pathogens

- *Enterococcus faecalis*
- *Escherichia coli*
- *Streptococcus agalactiae*
- CTX-M
- *Acinetobacter baumannii*
- *Citrobacter freundii*
- *Klebsiella aerogenes*

WOUND PATHOGENS

- *Staphylococcus aureus*
- *Pseudomonas aeruginosa*
- *VanA mecA*
- Oxa-23/48/58
- *Mycobacterium avium*
- *Klebsiella oxytoca*
- *Proteus mirabilis*
- *Proteus vulgaris*

Fungal Pathogens

- *Aspergillus fumigatus*
- *Aspergillus flavus*
- *Candida glabrata*

Viral Pathogens

- Respiratory Syncytial Virus (RSV)
- Influenza A
- Influenza B
- SARS-CoV-2 (COVID-19)
- Rhinovirus
- Enterovirus
- Coronavirus (229E, HKU1, OC43, NL63)
- Parainfluenza Virus (1-4)
- Human Adenovirus
- Human Bocavirus
- Human Metapneumovirus (hMPV)

RESPIRATORY PATHOGENS

Bacterial Pathogens

- *Mycoplasma pneumoniae*
- *Klebsiella pneumoniae*
- *Bordetella parapertussis*
- *Bordetella pertussis*
- *Streptococcus pneumoniae*
- *Haemophilus influenzae*

- *Legionella pneumophila*
- *Chlamydia pneumoniae*

Our Services

Comprehensive Diagnostic Panels

MOLECULAR DIAGNOSTICS

ANTIBIOTIC RESISTANCE GENES

- *KPC: Klebsiella pneumoniae carbapenemase*
- *NDM: New Delhi metallo-beta-lactamase*
- *OXA-48: Oxacillinase-48*
- *IMP: Imipenemase*
- *VIM: Verona integron-encoded metallo-beta-lactamase*
- *CTX-M: Extended Spectrum Beta-Lactamase gene*
- *VanA: Vancomycin resistance gene A*
- *VanB: Vancomycin resistance gene B*
- *MecA: Methicillin resistance gene A*
- *SUL1: Sulfonamide resistance gene 1*
- *SUL2: Sulfonamide resistance gene 2*
- *SUL3: Sulfonamide resistance gene 3*
- *Aac(3)-I: Aminoglycoside acetyltransferase gene*
- *dfrA1: Dihydrofolate reductase gene A1*
- *dfrA5: Dihydrofolate reductase gene A5*
- *dfrA12: Dihydrofolate reductase gene A12*
- *dfrA17: Dihydrofolate reductase gene A17*
- *MefA: Macrolide efflux gene A*
- *MrsA: Methicillin-resistant Staphylococcus aureus*
- *ermA: Erythromycin ribosome methylation gene A*
- *ermB: Erythromycin ribosome methylation gene B*
- *ermC: Erythromycin ribosome methylation gene C*
- *mphA: Macrolide phosph*
- *ereA: Erythromycin esterase gene A*
- *QnrS: Quinolone resistance gene(s)*
- *TetK: Tetracycline resistance gene*

CULTURE BASED MICROBIOLOGY TESTING

- *Gram-Positive & Gram-Negative Bacteria Identification*
- *Detection of Antibiotic-Resistant Pathogens (MRSA, ESBL, CRE, VRE, etc.)*
- *Antimicrobial Susceptibility Testing (AST) for Targeted Treatment*
- *MIC & Combo Panels for High-Risk*

HEMATOLOGY

- *White Blood Cell (WBC) Count*
- *Red Blood Cell (RBC) Count*
- *Hemoglobin (HGB) & Hematocrit (HCT)*
- *Mean Corpuscular Volume (MCV),*
- *Mean Corpuscular Hemoglobin (MCH),*
- *Mean Corpuscular Hemoglobin Concentration (MCHC)*
- *Red Cell Distribution Width (RDW-SD, RDW-CV)*
- *Platelet (PLT) Count & Mean Platelet Volume (MPV)*
- *White Blood Cell Differentiation: Lymphocytes (LY%, LY#); Monocytes (MO%, MO#);*
- *Neutrophils (NE%, NE#); Eosinophils (EO%, EO#); and Basophils (BA%, BA#)*

ADVANCED SEROLOGY & PROTEIN ANALYSIS

- | | | |
|---------------------------------------|---|--|
| ● <i>Alpha-1-Acid Glycoprotein</i> | ● <i>Complement C3 & C4</i> | ● <i>Immunoglobulins (IgA, IgG, IgM)</i> |
| ● <i>Alpha-1-Antitrypsin</i> | ● <i>C-Reactive Protein (CRP) &</i> | ● <i>Prealbumin</i> |
| ● <i>Antistreptolysin O (ASO)</i> | ● <i>High-Sensitivity CRP (hsCRP)</i> | ● <i>Rheumatoid Factor (RF)</i> |
| ● <i>Apolipoproteins (A1 & B)</i> | ● <i>Ferritin</i> | ● <i>Transferrin</i> |
| ● <i>Beta-2 Microglobulin</i> | ● <i>Haptoglobin</i> | ● <i>Urine/CSF Albumin</i> |
| ● <i>Ceruloplasmin</i> | | |

Our Services

Comprehensive Diagnostic Panels

COMPREHENSIVE IMMUNOASSAYS

Adrenal/Pituitary

- Cortisol (Serum, Plasma, Urine)
- EPO
- Ferritin
- Folate (Serum & RBC)
- Intrinsic Factor Antibodies
- sTfR
- Vitamin B12

Bone Metabolism

- 25(OH) Vitamin D Total
- Intact PTH (Routine & Intraoperative)
- Ostease
- Ultrasensitive hGH

Cardiac Health

- CK-MB
- Digoxin
- Myoglobin
- Triage BNP
- Troponin I
- AccuTnl+3
- hsTnl (high-sensitivity Troponin I)

Diabetes

- Ultrasensitive Insulin

Infectious Disease & Sepsis

- Rubella IgG
- Toxoplasma IgG & IgM
- Anti-HAV (Total & IgM)
- Anti-HCV
- Procalcitonin (Sepsis Marker)

Reproductive Endocrinology

- AFP (ONTD)
- AMH
- Inhibin A
- Progesterone
- Prolactin
- Sensitive Estradiol
- SHBG
- Testosterone
- Total β hCG (5th IS)
- Unconjugated Estriol

Thyroid Function

- T3 (Free & Total)
- T4 (Free & Total)
- Thyroglobulin
- Thyroglobulin Ab II
- Thyroid Uptake
- TPO Ab
- TSH (3rd IS)

BLOOD CHEMISTRY

Urinary & CSF Testing

- Urinary/CSF Protein

Metabolic & Endocrine Disorders

- Ammonia
- HbA1c (IFCC/NGSP)
- HbA1c Advanced
- Homocysteine
- Lactate
- Lithium

Enzymes & Cardiac Markers

- Cholinesterase
- Creatine Kinase MB (CK-MB)
- Cystatin C
- Pancreatic Amylase

Infection & Inflammation

- Procalcitonin
- hCRP

Liver Function Tests

- Alanine Aminotransferase (ALT, IFCC)
- Aspartate Aminotransferase (AST, IFCC)
- Alkaline Phosphatase (ALP)
- Gamma-Glutamyltransferase (GGT)
- Total Bilirubin
- Direct Bilirubin
- Total Protein
- Albumin (BCG, BCP)

Kidney Function & Electrolytes

- Bicarbonate
- Calcium (Arsenazo, oCPC)
- Magnesium
- Phosphorus (Inorganic)
- Urea Nitrogen (BUN, STAT)
- Creatinine
- Uric Acid

Cardiovascular & Lipid Profile

- Cholesterol (Total, HDL, LDL)
- Triglycerides
- Unsaturated Iron-Binding Capacity (UIBC)
- Iron

Enzyme & Metabolic Testing

- Amylase
- Lipase (Standard, NG)
- Creatinine Kinase (CK)
- Lactate Dehydrogenase (LDH, IFCC)
- Angiotensin Converting Enzyme

Our Services

Comprehensive Diagnostic Panels

WELLNESS PANEL

MALE WELLNESS PANEL

Hormone/Endocrine

- Cortisol, DHEA-S, Estradiol, TSH, Free T3, Free T4
- FSH, LH, Testosterone, Progesterone, Prolactin, SHBG
- Free Testosterone, PSA Total, PSA Free

Hematology

- CBC w/Diff, Ferritin, Folate, Iron Profile, Vitamin B12, Vitamin D

Glucose/Diabetes

- Average Glucose, Glucose, Hemoglobin A1c, Insulin

Metabolic Panel

- Calcium, Chloride, Potassium, Sodium, Phosphorus, Magnesium
- Bicarbonate (CO₂), BUN, Creatinine, eGFR, Anion Gap
- AST, ALT, ALP, Albumin, Total Bilirubin, Total Protein, Amylase, Uric Acid, GGT

FEMALE WELLNESS PANEL

Hormone/Endocrine

- Cortisol, DHEA-S, Estradiol, TSH, Free T3, Free T4
- FSH, LH, Testosterone, Progesterone, Prolactin, SHBG

Hematology

- CBC w/Diff, Ferritin, Folate, Iron Profile, Vitamin B12, Vitamin D

Glucose/Diabetes

- Average Glucose, Glucose, Hemoglobin A1c, Insulin

Metabolic Panel

- Calcium, Chloride, Potassium, Sodium, Phosphorus, Magnesium
- Bicarbonate (CO₂), BUN, Creatinine, eGFR, Anion Gap
- AST, ALT, ALP, Albumin, Total Bilirubin, Total Protein, Amylase, Uric Acid, GGT

Cardiovascular Panel

- LDL, Cholesterol, HDL, Triglycerides

Inflammation Marker

- CRP-HS

HORMONE TESTING & ENDOCRINE ASSESSMENT

- Cortisol & DHEA-S
- Estradiol & Progesterone
- FSH, LH, Prolactin
- Free & Total Testosterone
- PSA (Total & Free) for Prostate Health
- Thyroid Function: TSH, Free T3, Free T4
Total T3, Total T4, Thyroid Uptake

SPECIALIZED WELLNESS PANELS

- Basic Metabolic Panel (BMP)
- Comprehensive Metabolic Panel (CMP)
- Electrolyte Panel
- Hepatic (Liver) Panel
- Lipid Panel
- Renal (Kidney) Panel

Our Services

Comprehensive Diagnostic Panels

DRUGS TESTING

DRUGS OF ABUSE TESTING

- Amphetamines: 300, 500, and 1,000 cutoff (standard & semi-quantitative)
- Barbiturates: 200, 300 cutoff (standard & semi-quantitative)
- Benzodiazepines: 200, 300 cutoff (standard & semi-quantitative)
- Cannabinoids (THC, Marijuana) 20, 50, and 100 cutoff (standard & semi-quantitative)
- Cocaine Metabolite: 150, 300 cutoff (standard & semi-quantitative)
- Ecstasy (MDMA/MDA): 300, 500 cutoff (standard & semi-quantitative)

Alcohol & Opioids

- Ethyl Alcohol
- Methadone (150, 300 cutoff semi-quantitative)
- Opiates (300, 2,000 cutoff semi-quantitative)
- Phencyclidine (PCP) (25 cutoff semi-quantitative)
- Phencyclidine (PCP) (25 cutoff semi-quantitative)

THERAPEUTIC DRUG MONITORING (TDM)

Pain Management & Fever Reduction

- Acetaminophen
- Salicylic Acid

Anti-Seizure & Mood Stabilizing Medications

- Carbamazepine
- Phenobarbital
- Phenytoin
- Valproic Acid

Cardiac & Respiratory Medications

- Digoxin
- Theophylline

Antibiotic & Antimicrobial Agents

- Gentamicin
- Tobramycin
- Vancomycin

Antiarrhythmic & Cardiac Drugs

- N-Acetylprocainamide
- Procainamide
- Quinidine

Electrolyte (ISE) Testing

- Chloride
- Potassium
- Sodium

Our Services

Comprehensive Diagnostic Panels

URINALYSIS

- Red Blood Cells (RBCs)
- White Blood Cells (WBCs) & WBC Clumps
- Fatty Casts
- Glucose
- Ketone Bodies
- Hyaline Casts
- Granular Casts
- Crystals
- Bacteria
- Squamous Epithelial Cells
- Transitional Epithelial Cells
- Renal Tubular Epithelial Cells

CANCER SCREENING

- Alpha-Fetoprotein (AFP)- hepatocellular carcinoma & germ cell tumors
- Carcinoembryonic Antigen (CEA)- Colorectal, lung, breast, and pancreatic cancers
- Breast Cancer Marker (CA 15-3 Antigen - BR Monitor)
- Gastrointestinal Cancer Marker (CA 19-9 Antigen - GI Monitor)
- Ovarian Cancer Marker (CA 125 Antigen - OV Monitor)
- Hybritech PSA (Prostate-Specific Antigen)
- Hybritech Free PSA
- Hybritech p2PSA

ALZHEIMER'S DIAGNOSTICS

- p-Tau217 (Phosphorylated Tau 217)
- NfL (Neurofilament Light Chain)
- β -Amyloid 1-42
- GFAP (Glial Fibrillary Acidic Protein)
- APOE ϵ 4 (Apolipoprotein E ϵ 4)

ADVANCED RESEARCH TESTING

Inflammation Markers

- IL-6
- CRP (C-Reactive Protein)
- IL-1 β (Interleukin-1 Beta)
- TNF- α (Tumor Necrosis Factor Alpha)
- TGF- β (Transforming Growth Factor Beta)
- Lactoferrin
- Calprotectin
- Multiplex Cytokine Assays

Leaky Gut & Gut Health Markers

- Lipopolysaccharide Binding Protein (LBP)
- Secretory CD14 (sCD14)
- Zonulin
- Many others



Redefining Precision Health

Innovative Diagnostics. Trusted Results.
Transforming Healthcare.

MusB Diagnostics

Your Partner in Precision Diagnostics

About Us

With over 45 years of combined experience in patient research and clinical diagnostics, MusB Diagnostics is proud to be your trusted local community diagnostics partner. Our team is led by accomplished scientists and supported by highly trained professionals in biochemistry, molecular biology, microbiology, and laboratory medicine. Together, we bring advanced diagnostic expertise right to your neighborhood.

Certifications & Quality Assurance

MusB Diagnostics is a CLIA, ISO, and GLP-certified, COLA-accredited high-complexity clinical laboratory and patient service center. Our state-of-the-art facility is designed to protect sample integrity and ensure diagnostic precision at every step.

Speed, Accuracy, and Care

We specialize in delivering fast, dependable results—often within hours—so you and your care providers can make informed decisions quickly. Every test we perform meets the highest standards of quality and accuracy, empowering better patient outcomes.

Comprehensive Diagnostic Services

At MusB Diagnostics, we go beyond routine lab testing. We offer a full suite of services including:

- *Advanced Molecular Testing*
- *Custom Wellness Panels*
- *Personalized Diagnostic Solutions*
- *Microbiome and Functional Health Diagnostics*

All our services are tailored to meet the specific needs of clinicians, healthcare organizations, and the communities we serve.

Technology Meets Convenience

Our lab is seamlessly integrated with Electronic Medical Records (EMR) for smooth data sharing and reporting. We also handle billing coordination, ensuring a hassle-free experience for both patients and providers.

Committed to Your Patient's Health

Whether you are a physician, healthcare professional, or individual taking charge of your wellness, MusB Diagnostics is here to support your journey with precision, compassion, and care.

Welcome to MusB Diagnostics—where innovation meets accessibility.