WHY MAYO CLINIC?

Mayo Clinic’s clinical microbiology laboratories span all areas of conventional and molecular microbiology and offer more than 200 tests designed for rapid identification of the causative agents of infectious diseases.

Our laboratories perform over 2.8 million tests annually and have developed and implemented culture techniques, immunoassays, and molecular methods for rapid detection and identification of microbial pathogens.

PERFORMING THE RIGHT TESTS, NOT THE MOST TESTS

LIKE YOU, WE ARE A HEALTH CARE PROVIDER, TREATING PATIENTS EVERY DAY, AND OUR SERVICES ENABLE HEALTH CARE INSTITUTIONS TO:

- Apply patient care-driven testing approaches
- Establish clinically proven test utilization strategies
- Collaborate with Mayo Clinic physicians, scientists, and laboratory professionals
- Advance the integration of community health care delivery.

CONSULTANT-LED SUBSPECIALTY LABORATORIES

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LABORATORY DIRECTORS

- ROBIN PATEL, M.D.
  Division Chair
  Bacteriology
- MATTHEW J. BINNICKER, PH.D.
  Virology
- BOBBI S. PRITT, M.D.
  Parasitology
- ELITZA S. THEEL, PH.D.
  ID Serology
- NANCY L. WENGENACK, PH.D.
  Mycobacteriology/Mycology
- JOSEPH D. YAO, M.D.
  Hepatitis/HIV
- JANE J. HATA, PH.D.
  Laboratory Director, Florida Microbiology
Mayo Medical Laboratories offers a full menu of tests for the detection and identification of infectious diseases.

**BY THE NUMBERS**

- **200+** Tests designed for rapid identification of the causative agents of infectious diseases
- **2.8 million** Tests performed annually for rapid detection and identification of microbial pathogens
- **120+** Educational resources focused on microbiology and infectious diseases available on our website

**TESTING CATEGORIES**

**ANTIMICROBIAL SUSCEPTIBILITY**
- Phenotypic and genotypic antimicrobial susceptibility testing of bacteria, mycobacteria, and fungal isolates

**CNS INFECTIONS**
- Extensive PCR, culture, and serologic testing

**CYSTIC FIBROSIS**
- Specialized bacterial respiratory culture as well as mycobacterial and fungal respiratory culture including organism identification

**ENDOCARDITIS**
- PCR, culture, and serologic tests for common and uncommon organisms

**FEVER OF UNKNOWN ORIGIN**
- Extensive PCR, culture, and serologic testing

**GASTROINTESTINAL INFECTIONS**
- PCR panel for common stool pathogens, other PCR testing to include Shiga toxin, *C. difficile*, and enteric pathogens
  - *T. whipplei* PCR

**GENITOURINARY INFECTIONS AND SEXUALLY TRANSMITTED INFECTIONS**
- Nucleic acid testing, multiple specimen sources including genital, ocular, and oral

**HEPATITIS**
- Serologic antigen and/or antibody detection, viral loads, hepatitis drug resistance

**HIV**
- Serologic antigen and/or antibody detection, viral loads, HIV-1 drug resistance

**POST-IMMUNIZATION**
- Full panel of tests for screening following immunization

**INFECTIONS OF PREGNANCY AND THE NEONATE**
- Extensive PCR and serology panels

**INFECTIONS OF THE IMMUNOCOMPROMISED HOST**
- Extensive PCR, culture, and serologic testing. Includes quantitative PCR

**ORGANISM IDENTIFICATION**
- Phenotypic and molecular identification of bacteria, mycobacteria, and fungal isolates

**PREVENTION AND SURVEILLANCE FOR INFECTIOUS DISEASE**
- Detection of nosocomial-acquired infections, antimicrobial susceptibility testing, bacterial strain typing for outbreak monitoring

**TRAVELER ASSOCIATED INFECTIONS**
- Malaria PCR (including *P. knowlesi*), full parasite exam from blood and stool

**UPPER AND LOWER RESPIRATORY INFECTIONS**
- Full culture and PCR testing

**VECTOR-BORNE DISEASES**
- PCR and serologic panels for mosquito and tick-borne diseases
FOR MORE INFORMATION ABOUT MICROBIOLOGY AND INFECTIOUS DISEASE TESTING, VISIT

MayoMedicalLaboratories.com/microbiology