

P23 LABS

TRUSTED LABORATORY EXCELLENCE

Molecular Diagnostics At P23 Labs

Real-Time Polymerase Chain Reaction (RT-PCR) is 3-5 times more sensitive than conventional culture techniques and allows P23 Labs to report pathogen identification with suggested antibiotic treatment based on antibiotic resistance genes within 12-24 hours after specimen arrives at the lab.

Specific proprietary assays for pathogens such as SARS-CoV-2, the virus responsible for COVID-19, and other disease profiles for common pathogens identified in:

- Respiratory Pathogen Profiles (RPP)
- Urinary Tract Infection Profiles (UTI)
- Women's Health Infection Profiles to include HPV, Syphilis, Bacterial vaginosis and Mycoplasma genitalium
- Gastrointestinal Profiles (GI)
- Wound Care Profiles
- Nail and Fungal Infection Profiles with Anti-fungal analysis by molecular methods

Platform Features & Outcomes	Traditional Microbiology	Molecular Biology (The P23 Way)
Sensitivity & Resistance for Antibiotics	3-5 days minimum	12-24 hours (1 day)
Resistance Genes Analyzed	Unavailable	24 hours (1 day) included in final report
Finalized Pathogen Report/Results	3-10 days	12-24 hours (1 day)
Sensitivity & Resistance Reports	5-10 days	12-24 hours (1 day)
Test Performance (Sensitivity, Specificity, Accuracy)	Varies between 30%-85% depending on the lab and experience/conditions with organism	High (>95%)
Consistency of Report	Unavailable. Does not eliminate contaminated sample, mixed flora, or overgrowth results	Available. Does eliminate contaminated samples, mixed flora, and targets individualized results
Reports Complex Polymicrobial Infection (2+ Pathogens)	No	Yes



About P23 Labs

P23 Labs is a high-complexity molecular diagnostics laboratory that specializes in preventative diagnostic testing of infectious disease. P23 Labs offer a full suite of molecular diagnostic tests that also include Women's Health, STI and UTI testing, COVID-19, respiratory pathogen profiles, and other infectious diseases rapidly identified via our state-of-the-art molecular methods. Our emphasis is on women's health and serving the underserved communities in the United States and beyond.

P23 Labs is dedicated to removing healthcare barriers and improving healthcare literacy. P23 Labs' extensive knowledge of epidemiology and molecular diagnostics in Women's Health and Infectious disease have afforded P23's ability to position themselves as a front runner in the COVID-19 pandemic.

P23 Labs has successfully validated the SARS-CoV-2 (COVID19) assay for the novel coronavirus which will support the need for volume testing of the COVID-19 test.

Clinical Advantages

- Detects monomicrobial, polymicrobial, antibiotic and anti-fungal resistance genes to provide suggested treatments more effective than any other established method
- Provides clinically actionable results based on scientific evidence
- Detects pathogens not detectable and commonly missed by traditional culture in microbiology
- Identifies pathogen/bacteria regardless of recent antibiotic use
- Greater sensitivity than traditional microbiology methods
- DNA testing generates a faster TAT than traditional microbiology methods
- Virtually eliminates inconclusive reporting of results
- Identifies the mix of gram positive, gram negative and fungal organisms
- Improves Antimicrobial Stewardship
- Reduce Antibiotic Resistance with more precise and targeted prescriptions
- Rapid diagnostic molecular methods allow for an earlier intervention and optimized therapy for better patient outcomes

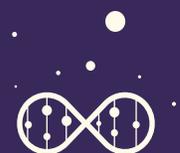
For more information:

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