



**Bringing you the latest advances in
molecular diagnostic testing...**

One vial... multiple pathogens

Diagnostic Advantages...



- **90+** pathogens from one vial
- DNA amplification via PCR technology
- Microbial drug resistance profiling
- High precision robotic accuracy
- High diagnostic sensitivity & specificity
- Specimen viability up to 5 days after collection
- Test additions available up to 30 days after collection
- No refrigeration required before or after collection
- Blood and excess mucus will not affect results



- **50+** molecular diagnostic tests available off the ThinPrep®
- Comprehensive, full color report included with each result
- Patient-specific history trend reports
- Highly skilled, board certified pathologists
- Automatically generated, monthly Pap result summary reports



A MEMBER OF GENESIS BIOTECHNOLOGY GROUP®

Medical Diagnostic Laboratories
www.mdlab.com • 877.269.0090



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IH0095 Upd.: 12.2023



Available off the
OneSwab®

SEXUALLY TRANSMITTED INFECTIONS

Leukorrhea Panel

- *Chlamydia trachomatis* (*Reflex to antibiotic resistance by Molecular Analysis)
- *Neisseria gonorrhoeae* (*Reflex to antibiotic resistance by Molecular Analysis)
- *Trichomonas vaginalis* (Reflex to metronidazole resistance)
- *Mycoplasma genitalium* (^uReflex to azithromycin & fluoroquinolone resistance by Pyrosequencing)

Genital Ulcer Disease Panel

- *Haemophilus ducreyi*
- Herpes subtype (HSV-1 & HSV-2)
- *Treponema pallidum* (syphilis)

- HPV Type-Detect® 4.0 by Multiplex Real-Time PCR

VAGINITIS & VAGINOSIS

Bacterial Vaginosis Panel with Lactobacillus Profiling

- *Atopobium vaginae*
- *Megasphaera* species (Type 1 & Type 2)
- Bacterial Vaginosis Associated Bacterium 2 (BVAB2)
- *Gardnerella vaginalis*

Aerobic Vaginitis (AV) Panel

- *Enterococcus faecalis*
- *Escherichia coli*
- Group B Streptococcus (GBS)
- *Staphylococcus aureus*

Candida Vaginitis Panel

- *Candida albicans*
- *Candida glabrata*
- *Candida krusei*
- *Candida parapsilosis*
- *Candida tropicalis*

Urogenital Mycoplasma & Ureaplasma Panel

- *Mycoplasma genitalium* (^uReflex to azithromycin & fluoroquinolone resistance by Pyrosequencing)
- *Mycoplasma hominis*
- *Ureaplasma urealyticum* (⁶Reflex to fluoroquinolone resistance by Pyrosequencing)

PREGNANCY

- Group B Streptococcus (GBS)
- Group B Streptococcus (GBS) Antibiotic Resistance

- *Actinomyces europaeus*
- *Actinomyces israelii*
- *Actinomyces turicensis*
- *Bacteroides fragilis*
- *Bacteroides ureolyticus*
- Fluconazole resistance by X-Plate Technology®:
 - *Candida albicans*
 - *Candida glabrata*
 - *Candida parapsilosis*
 - *Candida tropicalis*
- *Candida dubliniensis*
- *Candida kefyr*
- *Candida lusitanae*
- Cytomegalovirus (CMV) (Reflex to ganciclovir resistance by Pyrosequencing)
- *Eggerthella* species
- *Enterobacter cloacae*
- Group A Streptococcus
- *Klebsiella oxytoca*
- *Klebsiella pneumoniae*
- Lymphogranuloma venereum (LGV)
- *Mobiluncus mulieris* & *Mobiluncus curtisii*
- Molluscum contagiosum virus
- MRSA: Methicillin Resistant and Methicillin Susceptible (MSSA) *Staphylococcus aureus*
- CA-MRSA: Community-Associated MRSA. Panton-Valentine Leukocidin (PVL) DNA
 - *N. gonorrhoeae** & *C. trachomatis**
 - *Prevotella* species Group 1 (*P. bivia*, *P. disiens*, *P. intermedia*, *P. melaninogenica*)
 - *Prevotella* Species Group 2 (*P. corporis*, *P. albensis*)
 - *Proteus mirabilis*
 - *Pseudomonas aeruginosa*
 - *Serratia marcescens*
 - *Staphylococcus saprophyticus*
 - Urogenital Mycoplasma Panel (*M. genitalium*^u & *M. hominis*)
 - Varicella-zoster virus (VZV)

GENETIC CARRIER SCREENING

- Cystic Fibrosis Core Test by Next Generation Sequencing (23 major CFTR mutations approved by ACOG/ACMG)
- Cystic Fibrosis Comprehensive Test by Next Generation Sequencing (191 variants of the CFTR gene, including the 23 major mutations approved by ACOG/ACMG)
- Cystic Fibrosis Site Specific Analysis by DNA Sequencing
- Sickle Cell Anemia by SNP Genotyping with Pyrosequencing
- Torsion Dystonia by Real-Time PCR

Available off the
ThinPrep®

Molecular Diagnostic Testing: ThinPrep®

PATHOLOGY

Liquid Pap Test

- Liquid Pap Test - reflex to HPV Type-Detect® 4.0 if ASCUS or greater
- Liquid Pap Test - reflex to HPV Type-Detect® 4.0 if SIL or greater
- Liquid Pap Test-HPV Type-Detect® 4.0

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