

Rapid Detection of
**GENITO/STI
PATHOGENS**

HealthTrackRx™ is the nation's Premier PCR testing laboratory, providing accurate and targeted molecular diagnostics. Our comprehensive technological advances in PCR testing improves patient care with rapid results leading to improved clinical treatment times. HealthTrackRx™ PCR testing is the solution, combining speed of pathogen identification with clinical actionability.

ELIMINATE THE GUESSWORK IN DIAGNOSING AND TREATING GENITO/STI PATHOGENS.

HealthTrackRx™ Genito/STI assay utilizes the latest in quantitative RT-PCR (real-time reverse transcription polymerase chain reaction) technology to rapidly and reliably analyze patient samples. Rapidly detect and differentiate ~99%¹, this assay includes testing for the most common bacterial, viral, and fungal pathogens including:

- One of the most complete selections of high-risk HPV (human papilloma virus) types
- Robust analysis of the common pathogens of Pelvic Inflammatory Disease (PID), endometritis, cervicitis, vaginitis, vulvitis, urethritis, prostatitis, cystitis, and Genito-urinary ulcers

HealthTrackRx's molecular technique provides more accuracy in diagnosis than traditional POC antigen assays with features including:

OUR GENITO/STI DIAGNOSTICS FEATURES:

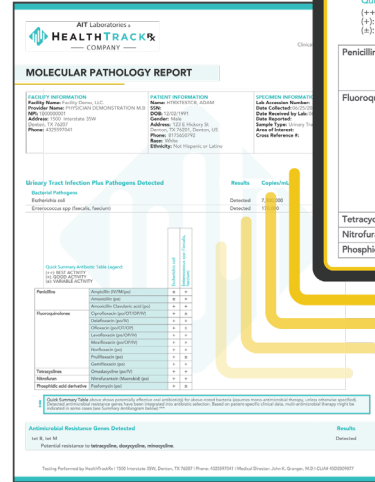
- ◆ Reduce false negatives
- ◆ Detect polymicrobial infections
- ◆ Include one of the most extensive antibiotic resistance gene panels
- ◆ Unaffected by concurrent antibiotic use
- ◆ Reports consistently delivered within 24 hours

ANTIMICROBIAL RESISTANCE (AMR) SOLUTIONS

HealthTrackRx provides proprietary solutions to Antimicrobial Resistance.

Our patient specific Antibiogram removes guesswork by detecting antibiotic resistant genes, providing patients effective information for optimal treatment outcomes, saving costs, and mitigating risks.

- Antimicrobial Resistance:** HealthTrackRx is addressing the antibiotic resistance public health crisis through developing advancements in PCR technology and implementing innovative solutions for our clients that help you treat patients fast, and accurately.
- Antibiotic Stewardship:** We support antibiotic stewardship by reducing over utilization of broad-spectrum antibiotics, providing guidance that reduces unnecessary drug exposure and cost of repeat testing.



Quick Summary Antibiotic Table Legend:
 (++) BEST ACTIVITY
 (+) GOOD ACTIVITY
 (±) VARIABLE ACTIVITY

Antibiotic Class	Antibiotic	Activity
Penicillins	Ampicillin (IV/IM/po)	±
	Amoxicillin (po)	±
Fluoroquinolones	Amoxicillin Clavulanic acid (po)	++
	Ciprofloxacin (po/OT/OP/IV)	++
	Dalacin (po/IV)	±
	Ofloxacin (po/OT/OP)	++
	Levofloxacin (po/OP/IV)	++
	Moxifloxacin (po/OP/IV)	++
Tetracyclines	Nitrofurantoin (Macrobid) (po)	++
	Fosfomicin (po)	±

Escherichia coli
Enterococcus spp. (faecium)

GENITO/STI

Acinetobacter baumannii
 Actinomyces israelii
 Atopobium vaginae
 Bacteroides fragilis
 BVAB 2, 3 (bacterial vaginosis associated bacteria 2, 3);
 Mobiluncus spp.
 Candida albicans, glabrata, parapsilosis, tropicalis
 Candida auris
 Chlamydia trachomatis

SAMPLE TYPE: Urine Swab, Prostatic Fluid, Penile Swab, Anorectal Swab, Vaginal Swab, Pelvic Abscess Material, Endometrial Sampling, Cervical Brushing, Genital Region Ulcer Swab, Endocervical Brushing, Urethral Swab

Citrobacter freundii
 Cytomegalovirus (CMV, Human Herpesvirus-5)
 Enterobacter aerogenes, cloacae
 Enterococcus faecalis, faecium
 Escherichia coli
 Gardnerella vaginalis
 Haemophilus ducreyi
 Herpes simplex virus 1 & 2¹
 High Risk HPV Types 16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56,

58, 59, 66, 67, 68, 69, 70, 73, 82
 Klebsiella (Calymmatobacterium) granulomatis
 Klebsiella pneumoniae, oxytoca
 Megasphaera (Types 1, 2)
 Morganella morganii
 Mycoplasma genitalium, hominis
 Neisseria gonorrhoeae
 Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
 Proteus mirabilis, vulgaris

Pseudomonas aeruginosa
 Serratia marcescens
 Staphylococcus aureus
 Staphylococcus spp.²
 Streptococcus agalactiae³
 Streptococcus pyogenes⁴
 Treponema pallidum
 Trichomonas vaginalis
 Ureaplasma urealyticum, parvum

ANTIBIOTIC RESISTANCE GENES

VanA, VanB⁵
 ermB, C, mefA⁴
 SHV, KPC Groups⁷
 dfr (A1, A5), sul (1, 2)⁸
 mecA⁹

qnrA1, qnrA2, qnrB¹⁰
 tet B, tet M¹¹
 IMP, NDM, VIM Groups¹²
 ACT, MIR, FOX, ACC Groups¹³
 OXA-48, -51¹⁴

CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups⁷

NOT TYPICALLY DETECTED BY CULTURE

- ◆ FUNGAL
- ◆ ANAEROBE
- ◆ SLOW GROWING
- ◆ STREPTOCOCCUS SPECIES
- ◆ NOT TYPICALLY TESTED BY CULTURE

PRACTICE WORKFLOW SOLUTIONS

- SimpliSWAB™ is our proprietary collection medium, that simplifies the collection process and features one-vial collection, regardless of the pathogen.
- Coordinated courier services are available, including FedEx, UPS or local courier.
- Clinically actionable reports delivered in an easy-to-read format, within 24 hours of sample receipt.
- In-network lab for most major medical insurance payors, Medicaid and Medicare.
- Integrates easily with EMR systems online via our Client Web Portal.

¹HSV-1, HSV-2
²Coagulase negative species: S. epidermidis, S. haemolyticus, S. lugdunensis, S. saprophyticus
³Group B Strep (GBS)
⁴Group A Strep
⁵Vancomycin
⁶Macrolide, Lincosamide, Streptogramin
⁷Class A beta-lactamase
⁸Trimethoprim/Sulfamethoxazole
⁹Methicillin
¹⁰Fluoroquinolone
¹¹Tetracycline
¹²Class B metallo-beta-lactamase