



Rapid Detection of **WOUND 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 WOUND PATHOGENS.

Our Wound 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 of the most common aerobic, and anaerobic, and facultative bacteria, viral and fungal targets, and polymicrobial infections.

HealthTrackRx's molecular technique provides more accurate diagnosis than common POC antigen assays.²

OUR WOUND DIAGNOSTICS FEATURES:

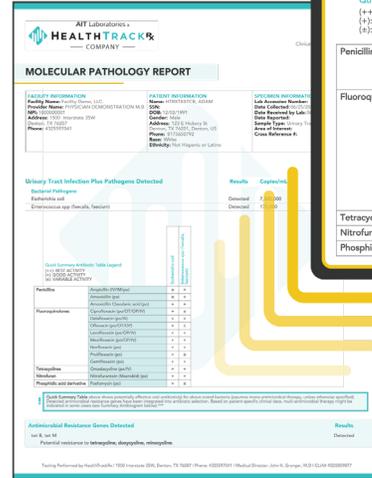
- ◆ Reduce false negatives
- ◆ Detect polymicrobial infections
- ◆ Include one of the most extensive antibiotic resistance gene panels
- ◆ Unaffected by concurrent antibiotic use
- ◆ Reports consistently delivered within 24 hours

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	Escherichia coli (faecalis)	Enterococcus spp (faecium)
Penicillins	Ampicillin (IV/IM/PO)	++	++
	Amoxicillin (PO)	++	++
Fluoroquinolones	Amoxicillin Clavulanic acid (PO)	++	++
	Ciprofloxacin (PO/OT/OP/IV)	++	++
	Deltafloxacin (PO/IV)	++	++
	Oxifloxacin (PO/OT/OP)	++	++
	Levofloxacin (PO/OP/IV)	++	++
	Moxifloxacin (PO/OP/IV)	++	++
Tetracyclines	Norfloxacin (PO)	++	++
	Prulifloxacin (PO)	++	++
Nitrofurans	Gemifloxacin (PO)	++	++
	Omadacycline (PO/IV)	++	++
Phosphonic acid derivative	Nitrofurantoin (Macrobidi) (PO)	++	++
	Fosfomicin (PO)	++	++

WOUND

Bacterial/Viral

- Acinetobacter baumannii*
- Bacteroides fragilis, vulgatus*
- Burkholderia cepacia, pseudomallei*
- Citrobacter freundii*
- Clostridium perfringens, novyi, septicum*
- Corynebacterium jeikeium, striatum, tuberculostearicum*
- Cutibacterium (Propionibacterium) acnes*
- Enterobacter aerogenes, cloacae*
- Enterococcus faecalis, faecium*
- Escherichia coli*

SAMPLE TYPE: Wound Swab, Joint Aspiration, Wound Tissue

- Finegoldia magna*
- Haemophilus influenzae*
- Herpes simplex virus 1 & 2¹*
- Klebsiella pneumoniae, oxytoca*
- Mycobacterium abscessus, chelonae, fortuitum*
- Mycobacterium avium-intracellulare, kansasii*
- Mycobacterium marinum, ulcerans*
- Mycoplasma genitalium, hominis*
- Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii*
- Proteus mirabilis, vulgaris*
- Pseudomonas aeruginosa*
- Salmonella enterica*

- Serratia marcescens*
- Staphylococcus aureus*
- Staphylococcus spp.²*
- Stenotrophomonas maltophilia*
- Streptococcus agalactiae³*
- Streptococcus pneumoniae*
- Streptococcus pyogenes⁴*
- Varicella zoster virus⁵*
- Vibrio cholerae, parahaemolyticus, vulnificus*

- parapsilosis, tropicalis*
- Candida auris*
- Epidermophyton floccosum*
- Fusarium oxysporum, solani*
- Malassezia furfur, restricta, sympodialis, globosa*
- Sporosporium audouinii, canis, gypsum*
- Sporothrix schenckii*
- Trichophyton mentagraphophytes/ interdigitale, rubrum, soudanense, terrestre, tonsurans, verrucosum, violaceum*
- Trichosporon mucoides, asahii*

ANTIBIOTIC RESISTANCE GENES

- VanA, VanB⁶
- ermB, C, mefA⁷
- SHV, KPC Groups⁸
- dfr (A1, A5), sul (1, 2)⁹
- mecA¹⁰
- qnrA1, qnrA2, qnrB2¹¹
- tet B, tet M¹²
- IMP, NDM, VIM Groups¹³
- ACT, MIR, FOX, ACC Groups¹⁴
- OXA-48, -51¹⁵
- CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups⁸

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
⁵VZV, Human Herpesvirus 3
⁶Vancomycin
⁷Macrolide, Lincosamide, Streptogramin
⁸Class A beta-lactamase
⁹Trimethoprim/Sulfamethoxazole
¹⁰Methicillin
¹¹Fluoroquinolone
¹²Tetracycline
¹³Class B metallo-beta-lactamase
¹⁴AmpC beta-lactamase
¹⁵Class D oxacillinase