



Rapid Detection of
**NAIL/PARONYCHIA, HAIR
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 NAIL/PARONYCHIA, HAIR PATHOGENS.

HealthTrackRx's Nail/Paronychia, Hair 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 common aerobic, anaerobic and polymicrobial infections, including fungi and more than 25 of the most common dermatophytes, saprophytes, and yeast pathogens.

More definitive diagnosis than common POC antigen assays.²

OUR NAIL/PARONYCHIA, HAIR DIAGNOSTICS FEATURES:

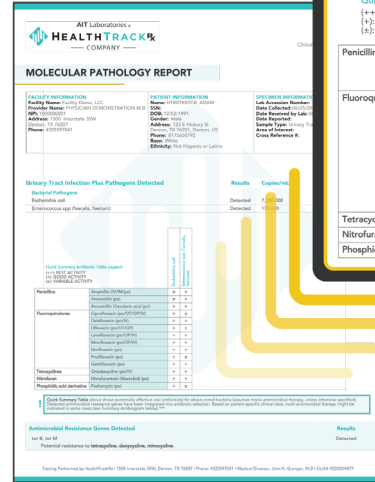
- ◆ **Reduce false negatives**
- ◆ **Detect polymicrobial infections**
- ◆ **Include one of the most extensive antibiotic resistance gene panels**
- ◆ **Unaffected by concurrent antibiotic use**
- ◆ **Reports consistently delivered within 24 hours**

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	Enterococcus spp. (faecalis, faecium)
Penicillins	Ampicillin (IV/IM/PO)	±	+
	Amoxicillin (PO)	±	+
Fluoroquinolones	Amoxicillin Clavulanic acid (PO)	±	++
	Ciprofloxacin (PO/OT/OP/IV)	+	±
	Delafloxacin (PO/IV)	+	±
	Ofloxacin (PO/OT/OP)	+	±
	Levofloxacin (PO/OP/IV)	+	±
	Moxifloxacin (PO/OP/IV)	+	±
Tetracyclines	Norfloxacin (PO)	+	±
	Prulifloxacin (PO)	+	±
Nitrofurans	Gemifloxacin (PO)	+	±
	Omadaacycline (PO/IV)	+	±
Phosphonic acid derivative	Nitrofurantoin (Macrobidi) (PO)	+	±
	Fosfomicin (PO)	+	±

NAIL/PARONYCHIA, HAIR

SAMPLE TYPE: Nail Clipping, Paronychial Tissue, Hair Clipping

Bacterial/Viral

Bacteroides fragilis, vulgatus
Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
Escherichia coli
Klebsiella pneumoniae, oxytoca
Peptostreptococcus anaerobius,
asaccharolyticus, magnus,
prevotii

Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
*Staphylococcus spp.*¹
*Streptococcus agalactiae*²
*Streptococcus pyogenes*³
Fungal
Aspergillus flavus, fumigatus,

niger, terreus
Blastomyces dermatidis
Candida albicans, glabrata,
parapsilosis, tropicalis
Candida auris
Epidermophyton floccosum
Fusarium oxysporum, solani
Malassezia furfur, restricta,
sympodialis, globosa

Microsporium audouinii, canis,
gypseum
Trichophyton
mentagraphophytes/
interdigitale, rubrum,
soudanense, terrestre, tonsurans,
verrucosum, violaceum
Trichosporon mucoides, asahii

ANTIBIOTIC RESISTANCE GENES

VanA, VanB⁴
 ermB, C, mefA⁴
 SHV, KPC Groups⁵
 dfr (A1, A5), sul (1, 2)⁷
 mecA⁸

qnrA1, qnrA2, qnrB2⁹
 tet B, tet M¹⁰
 IMP, NDM, VIM Groups¹¹
 ACT, MIR, FOX, ACC Groups¹²
 OXA-48, -51¹³

CTX-M1 (15), M2 (2), M9 (9),
 M8/25 Groups⁶

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.

¹Coagulase negative species: *S. epidermidis*, *S. haemolyticus*, *S. lugdunensis*, *S. saprophyticus*
²Group B Strep (GBS)
³Group A Strep
⁴Vancomycin
⁵Macrolide, Lincosamide, Streptogramin

⁶Class A beta-lactamase
⁷Trimethoprim/Sulfamethoxazole
⁸Methicillin
⁹Fluoroquinolone
¹⁰Tetracycline
¹¹Class B metallo-beta-lactamase

¹²AmpC beta-lactamase
¹³Class D oxacillinase