

Rapid Detection of
**ENT
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 ENT PATHOGENS.

Our Otolaryngology Infection assay utilizes the latest in quantitative RT-PCR (real-time reverse transcription polymerase chain reaction) technology to rapidly and reliably analyze your patient's sample.

We rapidly detect and differentiate ~99%¹ of the most relevant viral, bacterial, and fungal otolaryngology pathogens, including Influenza, Aspergillus, Moraxella, and Rhizopus.

HealthTrackRx's molecular assay provides more diagnosis than traditional POC antigen assays and most commonly available ENT tests.²

OUR ENT DIAGNOSTICS:

- ◆ 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

¹Internal Clinical Data

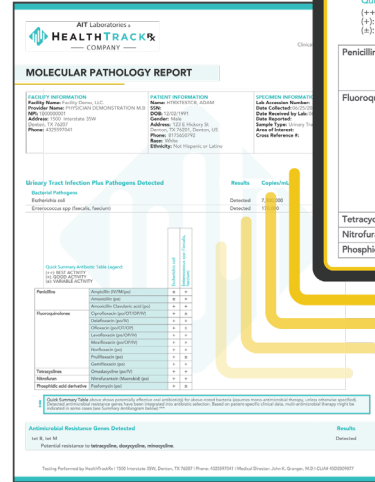
²Torres, A, Lee, N., Cilloniz, C et al. (2016 Nov 3). Laboratory diagnosis of pneumonia in the molecular age. European Respiratory Journal 48: 1764-1778. <http://ow.ly/2ajh304NuCn>

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	Pathogen
Penicillins	Ampicillin (IV/IM/po)	±	Escherichia coli (faecalis, faecium)
	Amoxicillin (po)	±	
Fluoroquinolones	Amoxicillin Clavulanic acid (po)	±	Enterococcus spp. (faecalis, faecium)
	Ciprofloxacin (po/OT/OP/IV)	±	
	Delafloxacin (po/IV)	±	
	Ofloxacin (po/OT/OP)	±	
	Levofloxacin (po/OP/IV)	±	
	Moxifloxacin (po/OP/IV)	±	
	Norfloxacin (po)	±	
Tetracyclines	Omadacycline (po/IV)	±	Enterococcus spp. (faecalis, faecium)
	Gemifloxacin (po)	±	
Nitrofurans	Nitrofurantoin (Macrobid) (po)	±	Enterococcus spp. (faecalis, faecium)
	Fosfomicin (po)	±	

OTOLARYNGOLOGY

SAMPLE TYPE: Ear Swab, Tympanocentesis Fluid, Nasopharynx Swab, Throat Swab

Acinetobacter baumannii
 Adenovirus HAdV-B
 Aspergillus flavus, fumigatus, niger, terreus
 Candida albicans, glabrata, parapsilosis, tropicalis
 Candida auris
 Chlamydia pneumoniae
 Chlamydia trachomatis
 Coronavirus (229E, NL63, OC43, and HKU1)

COVID-19 Coronavirus (SARS- CoV-2)
 Enterobacter aerogenes, cloacae
 Enterovirus A,B,C
 Enterovirus D68
 Escherichia coli
 Haemophilus influenzae
 Human metapneumovirus
 Influenza virus A, B
 Klebsiella pneumoniae, oxytoca
 Moraxella catarrhalis
 Mycoplasma genitalium, hominis

Mycoplasma pneumoniae
 Neisseria gonorrhoeae
 Parainfluenza virus (types 1, 2, 3, 4)
 Proteus mirabilis, vulgaris
 Pseudomonas aeruginosa
 Respiratory syncytial virus
 Rhinovirus A,C
 Rhizopus spp., Mucor spp.
 Serratia marcescens
 Staphylococcus aureus
 Staphylococcus spp.¹

Streptococcus agalactiae²
 Streptococcus pneumoniae
 Streptococcus pyogenes³
 Ureaplasma urealyticum, parvum
 Varicella zoster virus⁴

ANTIBIOTIC RESISTANCE GENES

VanA, VanB⁵
 ermB, C, mefA⁶
 SHV, KPC Groups⁷
 dfr (A1, A5), sul (1, 2)⁸
 mecA⁹

qnrA1, qnrA2, qnrB2¹⁰
 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.

¹Coagulase negative species: S. epidermidis, S. haemolyticus, S. lugdunensis, S. saprophyticus
²Group B Strep (GBS)
³Group A Strep
⁴VZV, Human Herpesvirus 3
⁵Vancomycin

⁶Macrolide, Lincosamide, Streptogramin
⁷Class A beta-lactamase
⁸Trimethoprim/Sulfamethoxazole
⁹Methicillin
¹⁰Fluoroquinolone
¹¹Tetracycline

¹²Class B metallo-beta-lactamase
¹³AmpC beta-lactamase
¹⁴Class D oxacillinase