



Rapid Detection of  
**RESPIRATORY  
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 RESPIRATORY PATHOGENS.**

HealthTrackRx's Respiratory Tract Infection Plus assay utilizes the latest in quantitative RT-PCR (real-time reverse transcription polymerase chain reaction) technology to rapidly and reliably analyze your patient samples.

Rapidly detect and differentiate ~99%<sup>1</sup> of the most common viral, bacterial, and fungal pathogens including Influenza, COVID-19, Haemophilus influenzae, Streptococcus pneumoniae and Staphylococcus aureus.

More definitive diagnosis than common POC antigen assays.<sup>2</sup>

### **OUR RESPIRATORY DIAGNOSTICS FEATURES:**

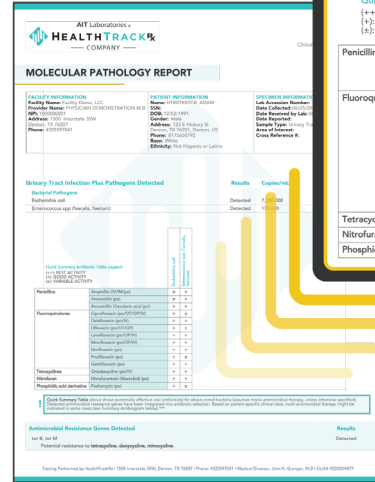
- ◆ Reduce false negatives
- ◆ Detect polymicrobial infections
- ◆ Include one of the most extensive antibiotic resistance gene panels
- ◆ Unaffected by concurrent antibiotic use
- ◆ Reports consistently delivered within 24 hours

# 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 (E.coli)	Enterococcus spp. (Enteroc)
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)	++	++
	Norfloxacin (po)	++	++
Tetracyclines	Prulifloxacin (po)	++	++
	Gemifloxacin (po)	++	++
Nitrofurans	Omadacycline (po/IV)	++	++
	Nitrofurantoin (Macrobid) (po)	++	++
Phosphonic acid derivative	Fosfomycin (po)	++	++

## RESPIRATORY TRACT INFECTION PLUS INCLUDING COVID-19

Acinetobacter baumannii  
 Adenovirus HAdV-B  
 Aspergillus flavus, fumigatus, niger, terreus  
 Bordetella pertussis, parapertussis, bronchiseptica  
 Candida albicans, glabrata, parapsilosis, tropicalis  
 Candida auris  
 Chlamydia pneumoniae  
 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  
 Legionella pneumophila  
 Moraxella catarrhalis

**SAMPLE TYPE:** Nasopharynx Swab, Cough Sputum Swab, Nasopharynx + Cough Sputum, Throat Swab

Mycobacterium avium-intracellulare, kansasii  
 Mycobacterium tuberculosis  
 Mycoplasma pneumoniae  
 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  
 Streptococcus agalactiae<sup>1</sup>  
 Streptococcus pneumoniae  
 Streptococcus pyogenes<sup>2</sup>

### ANTIBIOTIC RESISTANCE GENES

VanA, VanB<sup>3</sup>  
 ermB, C, mefA<sup>4</sup>  
 SHV, KPC Groups<sup>5</sup>  
 dfr (A1, A5), sul (1, 2)<sup>6</sup>  
 mecA<sup>7</sup>

qnrA1, qnrA2, qnrB<sup>8</sup>  
 tet B, tet M<sup>9</sup>  
 IMP, NDM, VIM Groups<sup>10</sup>  
 ACT, MIR, FOX, ACC Groups<sup>11</sup>  
 OXA-48, -51<sup>12</sup>

CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups<sup>5</sup>

### 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.

<sup>1</sup>Group B Strep (GBS)  
<sup>2</sup>Group A Strep  
<sup>3</sup>Vancomycin  
<sup>4</sup>Macrolide, Lincosamide, Streptogramin  
<sup>5</sup>Class A beta-lactamase  
<sup>6</sup>Trimethoprim/Sulfamethoxazole  
<sup>7</sup>Methicillin  
<sup>8</sup>Fluoroquinolone  
<sup>9</sup>Tetracycline  
<sup>10</sup>Class B metallo-beta-lactamase  
<sup>11</sup>AmpC beta-lactamase  
<sup>12</sup>Class D oxacillinase