



Rapid Detection of
**GASTROINTESTINAL
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 GASTROINTESTINAL PATHOGENS.

Our Gastrointestinal (GI) 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.

Rapidly detect and differentiate ~99%¹ of common aerobic, anaerobic, and microaerophilic bacteria, viral and fungal targets, and polymicrobial infections.

Our molecular technique provides a more definitive diagnosis than POC antigen assays and most common GI tests.²

OUR GASTROINTESTINAL DIAGNOSTICS FEATURES:

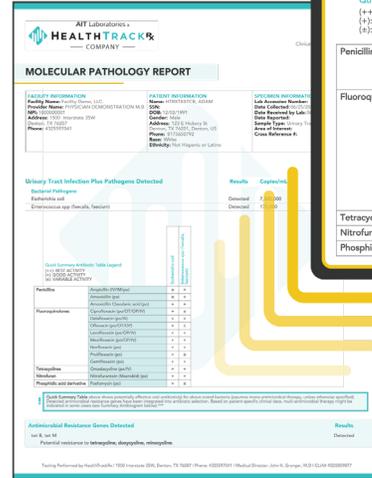
- ◆ Reduce false negatives
- ◆ Detect polymicrobial infections
- ◆ Include one of the most extensive antibiotic resistance gene panels
- ◆ Unaffected by concurrent antibiotic use
- ◆ Reports consistently delivered within 24 hours

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) | + | ± |
| | Gemifloxacin (po) | + | ± |
| Nitrofurans | Ornidazole (po/IV) | + | ± |
| | Nitrofurantoin (Macrobid) (po) | + | ± |
| Phosphonic acid derivative | Fosfomicin (po) | + | ± |

GASTROINTESTINAL

SAMPLE TYPE: Rectal Swab, Stool Swab

Adenovirus HAdV-F, HAdV-G
 Astrovirus, Sapovirus G1, G2
 Bacteroides fragilis
 Campylobacter jejuni, coli
 Candida albicans, glabrata, parapsilosis, tropicalis
 Clostridioides difficile (toxins A, B)
 Clostridium perfringens, novyi, septicum
 Cryptosporidium hominis,

parvum, felis
 Cyclospora cayetanensis,
 Cystoisospora belli
 Dientamoeba fragilis, Entamoeba histolytica
 Enteroaggregative E. coli (EAEC)
 Enteroinvasive E. coli (EIEC) / Shigella spp.
 Enteropathogenic E. coli (EPEC)
 Enterotoxigenic E. coli (ETEC)

Enterovirus A, B, C
 Enterovirus D68
 Giardia intestinalis
 Helicobacter pylori
 Listeria monocytogenes
 Microsporidium (Enterocytozoon bienewisi, Encephalitozoon intestinalis)
 Norovirus (Genogroup 1, 2)
 O157 (STEC 0157)

Rotavirus A, B
 Salmonella enterica
 Shiga toxin-producing E. coli (STEC)
 Shiga toxin-producing E. coli
 Vibrio parahaemolyticus, vulnificus, cholerae
 Yersinia enterocolitica

ANTIBIOTIC RESISTANCE GENES

VanA, VanB¹
 ermB, C; mefA²
 SHV, KPC Groups³
 dfr (A1, A5), sul (1, 2)⁴
 mecA⁵

qnrA1, qnrA2, qnrB²
 tet B, tet M⁷
 IMP, NDM, VIM Groups⁸
 ACT, MIR, FOX, ACC Groups⁹
 OXA-48, -51¹⁰

CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups³

NOT TYPICALLY DETECTED BY CULTURE

- ◆ **FUNGAL**
- ◆ **ANAEROBE**
- ◆ **SLOW GROWING**
- ◆ **STREPTOCOCCUS SPECIES**
- ◆ **PROTOZOAL**
- ◆ **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.

¹Vancomycin
²Macrolide, Lincosamide, Streptogramin
³Class A beta-lactamase
⁴Trimethoprim/Sulfamethoxazole
⁵Methicillin
⁶Fluoroquinolone
⁷Tetracycline
⁸Class B metallo-beta-lactamase
⁹Class C beta-lactamase
¹⁰Class D oxacillinase