



## Rapid Detection of

# GASTROINTESTINAL PATHOGENS

HealthTrackRx (HTRx) is the nation's premier infectious disease laboratory with one mission: delivering fast, accurate and actionable results.

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### ELIMINATE THE GUESSWORK IN DIAGNOSING AND TREATING GASTROINTESTINAL PATHOGENS.

- Our gastrointestinal (GI) pathogen testing 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 98-99% of the most relevant aerobic, anaerobic, and facultative 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<sup>1</sup>
- Our universal medium eliminates the need for specialized live sample handling or storage.
  - Safely inactivates and stabilizes sample in transport for subsequent analysis
  - Reduces the impact of transport time and cost
- Our GI diagnostics:
  - Reduce false negatives
  - Detect polymicrobial infections
  - Include one of the most extensive antibiotic resistance gene panels
  - Are unaffected by concurrent antibiotic use
  - Reports consistently delivered within 24-36 hours

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1. Pritt, MD, B. (2017 Nov 6). Syndromic testing for infectious diseases, part 2: gastrointestinal infections. Mayo Clinic. Retrieved from <https://news.mayomedicallaboratories.com/2017/11/06/syndromic-testing-infectious-diseases-part-2-gastrointestinal-infections/>

# RAPID DETECTION OF GI PATHOGENS



## PRESCRIBE WITH CONFIDENCE

As the leader in testing sensitivity and specificity, our reports include a custom-designed accurate and patient-specific detailed antibiogram.

- Support antibiotic stewardship by reducing over-utilization of broad-spectrum anti-infectives
- Decrease the need for empiric therapy
- Guidance helps reduce unnecessary drug exposure, adverse events, cost of repeat testing, and multiple treatment attempts



## REAL-TIME PCR MADE EASY

- We detect and differentiate 98-99% of the most common viral, bacterial, and fungal pathogens in addition to polymicrobial infections
- We offer the latest PCR technology available. Our industry-leading sensitivity and specificity reduce both false negatives and false positives
- Our technology is advanced, safe, and easy to deploy.
  - SimpliSwab – One swab to test it all. Just one vial and one swab, regardless of the pathogen target.
  - Shipping and handling made easy with our proprietary molecular transport medium. No refrigeration necessary.
  - We deliver clinically actionable data in clear, easy-to-read reports.

## THE NEW 99%

- ▶ Over 99% of results are reported within 24-36 hours of sample receipt
- ▶ Over 99% sensitivity to reduce false positives
- ▶ Over 99% specificity to reduce false positives
- ▶ Over 99% of the most common pathogens detected
- ▶ 100% trackable samples and results

## GASTROINTESTINAL PATHOGENS

- Adenovirus - HAdV-F, HAdV-G
- Astrovirus, Sapovirus G1, G2
- Bacteroides fragilis
- Campylobacter jejuni, coli
- Chlamydia trachomatis
- Citrobacter Freundii
- Clostridium difficile (toxins A, B)
- Clostridium perfringens, novyi, septicum
- Cryptosporidium hominis, parvum, felis
- Cyclospora cayetanensis, Cystoisospra belli
- Dientamoeba fragilis, Entamoeba histolytica
- Enteroggregative E. coli (EAEC)
- Shiga toxin-producing E. coli (STEC)
- Shiga toxin-producing E. coli O157 (STEC O157)
- Enteropathogenic E. coli (EPEC)
- Escherichia coli (EIEC) enteroinvasive /Shigella spp
- Escherichia coli (ETEC) Enterotoxigenic
- Enterovirus D
- Enterovirus A+B+C
- Giardia intestinalis
- Helicobacter pylori
- Listeria monocytogenes
- Microsporidium (Enterocytozoon bienersi + Encephalitozoon intestinalis probes)
- Norovirus (Genogroup 1, 2)
- Pseudomonas aeruginos
- Rotavirus A + B probes
- Salmonella enterica
- Staphylococcus aureus
- Streptococcus agalactiae (Group B Strep GBS)
- Vibro (parahaemolyticus, vulnificus and cholera)
- Yersinia enterocolitica

## ANTIBIOTIC RESISTANCE

- VanA, VanB (Vancomycin resistance)
- ermB, C; mefA (Macrolide Lincosamide Streptogramin)
- SHV, KPC Groups (Class A beta lactamase)
- dfr (A1, A5), sul (1, 2) probes (Trimethoprim/ Sulfamethoxazole resistance)
- mecA (Methicillin gene)
- qnrA1, qnrA2, qnrB2 (Fluoroquinolone genes)
- tet B, tet M (Tetracycline genes)
- IMP, NDM, VIM Groups (Class B metallo beta lactamase)
- ACT, MIR, FOX, ACC Groups (AmpC beta lactamase)
- OXA-48, -51 (Class D oxacillinase)
- CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups (Class A beta lactamase)

EFFECTIVE STARTING 7/6/2020

LEARN MORE



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