



LAB GENOMICS

# Gastrointestinal Panel (GI) Rapid Molecular Diagnostic Test

This assay detects presence of microbial DNA from pathogens that can cause infections  
Provides antibiotic treatment recommendations  
Covered by Medicare and most insurances.



## Antibiotic Stewardship

Each year in the US, 2 million people acquire serious bacterial infections that are resistant to one or more prescribed antibiotics, and at least 23,000 people die as a direct result of these antibiotic-resistant infections.

An estimated 55% of antibiotic prescriptions for Infections are unnecessary.

The misuse of antibiotics costs the US healthcare system over \$20 billion each year.

## Implications of Antibiotic Resistance

- ✓ Increases mortality and morbidity from untreatable diseases.
- ✓ Increases risk of global spread of pathogens.
- ✓ Results in longer, more frequent hospital stays.
- ✓ Limits drug options at a time when pharmaceutical companies are developing fewer new antimicrobials.
- ✓ Increases cost of research for new drugs.

## Who We Are About Us

Lab Genomics, LLC, was cultivated with the ideal in mind of providing state of the art molecular genetic testing with the end goal of the best quality of life possible for the patient. Our goal is to provide cutting edge diagnoses giving physicians and patients the best tools and education for health care decisions. Ultimately having physicians and patients proactive in maintaining one's health.

Questions?  
Contact Us

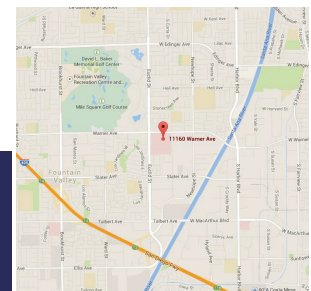
### LAB GENOMICS, LLC

11160 Warner Ave #415 Fountain Valley, CA 92708

Phone: (714) 438-1009

Fax: (714) 438-2484

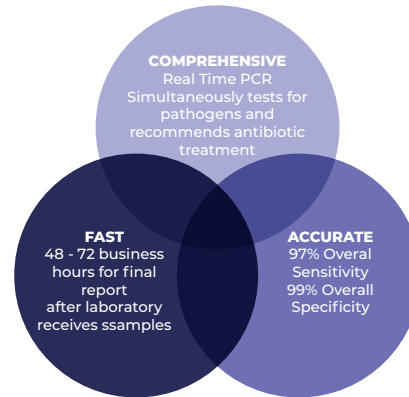
Web: [www.labgenomic.com](http://www.labgenomic.com)



# Interpretation of the Gastrointestinal Panel report



# Comprehensive, Accurate, and Fast Results



## Challenges in Diagnosing Gastrointestinal Infections

Overlapping signs and symptoms:



Differential Diagnosis:

- Food Poisoning
- Traveler's Diarrhea
- IBD (Crohn's, Colitis)
- Medical Reactions
- Colon Cancer
- Diverticulosis
- Cystic Fibrosis
- Intussusception
- Thyroid Disorder Tumors
- Autoimmune Disease

## Gastro Intestinal Pathogens

- ✓ Adenovirus F 40/41
- ✓ Aeromonas hydrophila
- ✓ Astrovirus
- ✓ Campylobacter
- ✓ Cryptosporidium
- ✓ Cyclospora cayetanensis
- ✓ Dientamoeba fragilis
- ✓ Entamoeba
- ✓ Enteroaggregative E. coli (EAEC)
- ✓ Enteropathogenic E. coli (EPEC)
- ✓ Enterotoxigenic E. coli (ETEC) It/st
- ✓ Enterovirus
- ✓ Escherichia coli 0157
- ✓ Giardia lamblia
- ✓ Helicobacter pylori
- ✓ Hepatitis A
- ✓ Hypervirulent C. difficile 027
- ✓ Hypervirulent Clostridium Difficile 027
- ✓ Listeria monocytogenes
- ✓ Norovirus
- ✓ Parechovirus
- ✓ Plesiomonas shigelloides
- ✓ Rotavirus A
- ✓ Salmonella
- ✓ Sapovirus
- ✓ Sapovirus V
- ✓ Shiga-like toxin-producing E. coli (STEC)
- ✓ (stx1/stx2)
- ✓ Shigella/Enteroinvasive E. coli (EIEC)
- ✓ Vibrio
- ✓ Yersinia enterocolitica