

## GASTROINTESTINAL PANEL

Retrogen is a CLIA & CAP certified laboratory with over 20-years experience with molecular testing. Experienced and helpful laboratory staff are responsible for handling your clinical samples and are available to answer questions regarding your test status. Our Gastrointestinal Panel provides the healthcare professional with fast and accurate results that assist in guiding appropriate treatment, all with one simple sample, easy to use collection process and shipping procedure. Our team of experienced scientist provides over 20+ years of laboratory experience and expertise to provide you with reliable and accurate results within 48 hours.



**Gastroenteritis (diarrheal disease)** is an inflammation of the lining of the intestines caused by a virus, bacteria or parasites. Due to similar clinical signs and symptoms, diagnosis of the causative pathogens can be difficult, and conventional diagnostic tests can take several days to provide results.

- Viral gastroenteritis is most common and often caused a norovirus that spreads through contaminated food or water, and contact with an infected person. Most people recover with no treatment
- Bacterial gastroenteritis can result from infection after contact with animals or consuming food or water contaminated with bacteria. Bacterial gastroenteritis can be easily transmitted from person to person if someone carries the bacteria on their hands and touches food, objects, or other people

### Symptoms

- Diarrhea
- Abdominal Pain
- Vomiting
- Fever
- Headache
- Chills

### Traditional Testing Challenges

- Time consuming
- Subjective
- Ambiguous
- labor intensive
- Clinically variable results

### Retrogen's Test Benefits

Our molecular testing methods offer a better and advanced approach than culture and antibody-based approaches. Studies have shown that molecular tests can significantly improve patient outcomes and decrease overall costs. The Luminex NxTAG® Respiratory Pathogen Panel is a next generation, closed tube, molecular DNA assay designed to simultaneously detect 14 viral and bacterial gastrointestinal pathogens.

- Higher Sensitivity & Specificity
- Small amount of input DNA required
- All assays are pre-designed and validated
- Easy workflow with rapid, accurate throughput
- Rapid Turn Around Time with results within 24-hours
- Multiple pathogens can be tested with one swab
- FDA approved test

### Pathogens Tested

3 Viruses Tested	
Adenovirus 40/41	Norovirus GI/GII
Rotavirus A.	
8 Bacteria and bacterial toxins Tested	
Campylobacter	Clostridium difficile, Toxin A/B
Shiga-like Toxin producing <i>E.coli</i> (STEC) <i>stx1/stx2</i>	Shigella
Enterotoxigenic <i>E.coli</i> (EPEC) LT/ST	Salmonella
Escherichia coli O157	Vibrio cholera
3 Parasites Tested	
Cryptosporidium	Entamoeba histolytica
Giardia	

### Ordering Information

Test ID	#7003 Gastrointestinal Panel
Test Requisition Form	Complete all sections and include ICD-10 and health insurance information
Pick-up	FedEx for Overnight pickup or Contact Retrogen 1-800-738-7643 for courier transport (available ONLY in Southern California)

### Specimen Collection & Handling Requirements

Collect	Stool Specimen
Handling	FECALSWAB™ transport tube
Storage & Transport	Refrigerated or Ambient (no more than 2 days NOT including shipping time)
Rejection Criteria	Specimen sources other than noted in collection instructions. Specimens received after 48-hours
Stability	Room Temperature: 2-days

### Test Information

Performed	7 days a week, 6:00 a.m. to 12:00 a.m.
Reported	24-48 hours
Method	Luminex Multiplexed Nucleic Acid Amplification Test
CPT Codes	87505