



University of Colorado Hospital

UNIVERSITY OF COLORADO HEALTH

Test Update GI PCR PANEL PLUS

Effective October 11, 2015 the University of Colorado Hospital Clinical Laboratory will offer multiplex Film Array PCR testing for GI pathogens in conjunction with stool culture for *Aeromonas* spp for patients with signs and/or symptoms of gastrointestinal infection.

GI PCR PANEL PLUS testing is capable of detecting the following GI pathogens:

Bacterial

- Aeromonas* spp (by culture)
- Campylobacter jejuni/coli/upsaliensis*
- Salmonella* spp
- Clostridium difficile* (toxigenic strains)
- Yersinia enterocolitica*
- Shigella*/Enteroinvasive *E. coli* (EIEC)
- Enterotoxigenic *E. coli* (ETEC)
- Enteropathogenic *E. coli* (EPEC)
- Enteroadgregative *E. coli* (EAEC)
- Shiga-like toxin producing *E. coli* including *E. coli* O157

Viral

- Adenovirus F40/F41
- Astrovirus
- Norovirus GI/GII
- Rotavirus A
- Sapovirus

Parasitic

- Cryptosporidium*
- Giardia lamblia*

Clinical Laboratory
Medical Director Ronald B. Lepoff, MD

Orderable Test Panel Name	GI PCR PANEL PLUS
Individual tests included on panel	GI PCR PANEL AEROMONAS CULTURE
EPIC code	LAB8905
Methodology	Multiplex Film Array PCR <i>plus</i> culture for <i>Aeromonas</i> spp.
Specimen	Liquid or semi-solid stool collected in Cary Blair transport media
Storage/transport	72 hours at room temperature or refrigerated
Performed	Daily
Turnaround time	24 hours for Film Array PCR results, up to 72h for culture.
CPT Codes	87507, 87046

REMARKS

In patients suspected of having **noroviral** or **rotaviral** infection, GI PCR PANEL PLUS testing is *preferred* over stand-alone tests given the similarity of disease presentation caused by these viruses with other gastrointestinal pathogens.

For hospitalized patients suspected of having *Clostridium difficile* infection, initial testing by stand-alone CDIFTOXPCR testing is *preferred*.

DISCONTINUED TESTS

C STOOL (STOOL CULTURE)

Please call the Molecular 720-848-6889 or Microbiology Lab at 720-848-7084 if you have any questions or visit our website at <https://www.uhealth.org/professionals/Pages/Clinical-Laboratory.aspx> for additional information.

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Clinical Laboratory
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