

**DP****Diarrhea Panel**

**GA Test Code** 3427  
**Method** Multiplex RT-PCR

**Bacteria**

*Campylobacter (jejuni, coli, and upsaliensis)*  
*Clostridium difficile* (toxin A/B)  
*Salmonella*  
*Shigella*  
EAEC - Enteraggregative *Escherichia coli*  
EIEC - Enteroinvasive *Escherichia coli*  
EPEC - Enteropathogenic *Escherichia coli*  
ETEC - Enterotoxigenic *Escherichia coli*  
STEC - Shiga-like toxin-producing *Escherichia coli stx1/stx2*

**Parasites**

*Cryptosporidium*  
*Giardia lamblia*

**Viruses**

Adenovirus F40/41  
Astrovirus  
Norovirus GI/GII  
Rotavirus A  
Sapovirus (I, II, IV, and V)

**Specimens** **Stool Swab (FecalSwab™ or white-capped eSwab™):** Collect stool in leakproof container. Rotate swab in stool and place in tube w/ liquid media. Break-off pre-scored swab and seal tube. Stability: 14 days ambient.

**Rectal Swab (FecalSwab™ or white-capped eSwab™):** Pass swab tip 1 inch beyond anal sphincter. Carefully rotate swab to sample anal crypts and withdraw. Fecal material must be *clearly visible* on swab. Place swab in tube w/ liquid media. Break-off pre-scored swab and seal tube. Stability: 14 days ambient.

**Raw Stool:** 0.2-1.0 g/mL liquid feces (conforms to container shape), screw-cap container, refrigerated (7 days). **Do not** dilute specimen or use preservatives.

**Cary Blair (C&S) Medium - Stool:** Collect stool in leakproof container. Using scoop attached to cap, add stool to red FILL LINE. Recap vial and agitate it to permit adequate mixing of the stool w/ transport medium. Stability: 4 days ambient.

**Rejection Causes** Fully-formed stool; no visible fecal matter; time and/or temperature instructions not followed as specified; quantity not sufficient (QNS) for analysis.

**Reference Range** Not Detected

**Turnaround Time** Same or next day

**CPT Code** 87506

**Description**

The Diarrhea Panel tests for 16 targets (bacteria, parasites, viruses) that cause infectious diarrhea. A positive PCR result for any of the specific targets indicates the presence of that respective organism in the specimen. A negative result indicates the absence of detectable DNA in the specimen, but does not rule out infection with these or other enteric pathogens. False-negative results may occur due to inhibition (rate of <1%) of PCR. This multiplex PCR panel test of gastrointestinal pathogens is intended for individuals with persistent diarrhea (7 or more days) that are at risk for *C. diff* colitis.

**Genetic Assays, Inc.**

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