GENETIC ASSAYS
A Molecular Diagnostics Laboratory

DP Diarrhea Panel without C.diff

GA Test Code **3427N**

Method Multiplex RT-PCR

Bacteria	**Parasites**
Campylobacter (jejuni, coli, and ***upsaliensis)***	***Cryptosporidium***
Plesiamonas shigelloides	***Cyclospora cayetanensis***
Salmonella	***Giardia lamblia***
Shigella/Enteroinvasive E.coli (EIEC)	**Viruses**
Yersenia enterocolitica	**Adenovirus F40/41**
EAEC - Enteroaggregative *Escherichia coli*	**Astrovirus**
EPEC - Enteropathogenic *Escherichia coli*	**Norovirus GI/GII**
ETEC - Enterotoxigenic *Escherichia coli*	**Rotavirus A**
STEC - Shiga-like toxin-producing *Escherichia coli stx1/stx2*	**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 87505

Description

This test was developed and its performance characteristics determined by Genetic Assays. It has not been cleared nor approved by the U.S. FDA. The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. Genetic Assays is certified under CLIA as qualified to perform high-complexity testing. The Diarrhea Panel tests for 17 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 for 7 or more days.

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