ENTERIC PATHOGENS PANEL by PCR

Intermountain Laboratory Services offers a new molecular-based assay for the rapid identification of common enteric bacteria, viruses, and genetic virulence markers in stool specimens.

Test Details

- Verigene Enteric Pathogens Nucleic Acid Test (EP)
- FDA-cleared, multiplex, qualitative PCR assay
- Can identify 14 pathogens from stool samples
- Provides identification of the infecting organism(s) within two hours of samples receipt in the Central Lab
- Can be performed directly from stool while cultures are concurrently being incubated

INTENDED USE:

- Preferred test for severe community-acquired diarrhea without travel history or concern for parasitic infection
- Severe diarrhea with dehydration requiring hospital admission
- Bloody diarrhea
- Infection associated with potential community or hospital outbreak
- Not recommended for hospital acquired diarrhea (e.g., onset >72 hours after admission)

PLEASE NOTE

This test should not be ordered for diarrhea in the immunocompromised host or recent traveler. Order the GIPCR test instead.
## Enteric Pathogens Panel by PCR

<table>
<thead>
<tr>
<th>TEST CODE</th>
<th>EPPCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLECTED</td>
<td>5mL unformed stool (0.5 mL minimum)</td>
</tr>
<tr>
<td>TRANSPORT MEDIA</td>
<td>Cary-Blair media (preferred) or Sterile transport container</td>
</tr>
<tr>
<td>TRANSPORT / STABILITY</td>
<td>Room temperature: 24 hours Refrigerated: 2 days (preferred)</td>
</tr>
<tr>
<td>UNACCEPTABLE</td>
<td>Formed stool Samples received in plastic food storage containers</td>
</tr>
<tr>
<td>PERFORMED / REPORTED</td>
<td>Performed: Sunday - Saturday Reported: Next day</td>
</tr>
</tbody>
</table>

### VIRUSES
- Norovirus GI/GII
- Rotavirus A

### BACTERIA
- **Campylobacter** Group
  - *C. coli*
  - *C. jejuni*
  - *C. lari*
- **Salmonella** species
- **Yersinia enterocolitica**
- **Vibrio** Group
  - *V. cholerae*
  - *V. parahaemolyticus*

### DIARRHEAGENIC E. COLI / SHIGELLA
- **Shigella** species
  - *S. dysenteriae*
  - *S. boydii*
  - *S. sonnei*
  - *S. flexneri*
  - Shiga-like toxin-producing *E. coli* (STEC)
  - *stx1/stx2*

### Key Points
- This is a molecular test and clinical correlation is required for all test results.
- A negative result does not exclude infection.
- Alternative tests for other pathogens may be needed due to absence of targets in this assay (e.g. *C. difficile* and *Giardia & Cryptosporidium* antigen testing).
- Not all positive results require antibiotics which can be harmful if used with certain organisms (e.g. STEC).