NEW TEST
NOTIFICATION DATE: 9/9/2026
EFFECTIVE DATE: 10/6/2026

GI Bacterial (Salm,Shigella,Campy,Shigatoxin) PCR, Panther
Epic Test Code: LAB1230631

GI Bacterial Panel reflex to GI Extended PCR Panel, Panther
Epic Test Code: LAB1230659

EXPLANATION: The Molecular Diagnostics Laboratory at WVU Medicine Ruby Memorial will begin performing/offering mini panels for GI Bacterial PCR for testing and have the option for reflex testing to additional bacteria on stools specimens in Cary-Blair. These panels are intended to aid in the differential diagnosis in individuals exhibiting signs and symptoms of gastroenteritis.

The GI Bacterial Panel is intended for the qualitative detection of following stool pathogens:

1. Salmonella sp
2. Shigella/EIEC
3. Campylobacter (C.coli, C.jejuni)
4. Shiga-toxin Stx1and Stx2)

The new order will replace the current testing (Salmonella/Shigella Culture, Campy EIA, and Shigatoxin reflex to E.coli O157 culture) sent to Quest. Routine stool cultures will no longer be orderable. The new test GI Bacterial Panel PCR, Panther is a more sensitive and specific giving a better turnaround time. This test will also reduce the cost for the patient.

NOTE: Additional test requests can be placed if the specimen is ≤3 days from collection for the GI Extended Bacterial PCR panel. Please notify Molecular Diagnostics after the order is placed.

There will be a reflex option to GI Extended Bacterial Panel PCR intended for the qualitative detection of following stool pathogens:

1. Yersinia enterocolitica
2. Vibrio (V. parahaemolyticus, V. vulnificus, V. cholerae)
3. E.coli O157
4. Plesiomonas shigelloides

The results of these assays should be used in conjunction with clinical presentation, laboratory findings, and epidemiological information and should not be used as the sole basis for diagnosis, treatment, or other patient management decisions. Clinical findings and other laboratory data should be considered when interpreting test results.

- New Orderable
  - **GI Bacterial (Salm,Shigella,Campy,Shigatoxin) PCR, Panther (LAB1230631)**
  - **GI Bacterial Panel reflex to GI Extended PCR Panel, Panther (LAB1230659)**

- **NOTE: An Additional test request can be placed, if a GI Extended PCR Panel is wanted after the GI Bacterial panel testing has been performed.**

- Replaced Test for Stool Culture:

  - Shigella Culture, Campy EIA, and Shigatoxin reflex to E.coli O157 culture (LAB32114)
  - Shigatoxins EIA with Reflex to E.coli O157, Culture (Lab30264)

METHOD: This assay is performed using the Hologic Panther Fusion (an FDA cleared assays).

REFERENCE VALUES: Negative

RESULTS:

- **Negative:** No Stool Pathogens were detected. This does not
- **Positive:** Detection of the stool pathogen is present.
- **Inconclusive:** The result is inconclusive due to insufficient or indeterminate amplification. Repeat testing on a newly collected specimen is recommended if clinically indicated.

SPECIMEN REQUIREMENTS: Liquid Stool in Cary-Blair (Orange Cap) filled the appropriate line.

Rejection criteria: Non-validated sample type.

SPECIMEN STABILITY INFORMATION: Collected specimens can be stored for up to three (3) days at 2-8°C.

SPECIMEN SHIPPING INFORMATION: Collected specimens can be stored up three (3) days at 2-8°C.

CPT CODE: 87505, 87506

DAYS(S) TEST SET UP: Sunday-Friday

QUESTIONS ABOUT THIS TESTING

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ADDITIONAL INORMATION IS AVAILABLE ONLINE

WVU Medicine Online Test Catalog