



EFFECTIVE SEPTEMBER 4, 2018

NEW TEST FOR THE DETECTION OF SHIGA TOXIN-PRODUCING ESCHERICHIA COLI (SHIGA TOXIN 1 & 2)

The Microbiology & Molecular Diagnostics Laboratory is transitioning from enzyme immunoassay (EIA)-based testing to real-time Polymerase Chain Reaction (PCR) testing for simultaneous detection and differentiation of Shiga toxin-producing *Escherichia coli* (STEC) with genes *stx1* and/or *stx2*. The updated testing, the Serosep EntericBio realtime® Bacterial Panel 2 assay, provides highly sensitive and specific detection of Shiga-toxin 1 and 2 in preserved stool specimens.

This test will be performed on all specimens submitted for stool culture. Results will be available within 30 hours and is included in the stool culture report.

SPECIMEN REQUIREMENTS:

Stool: Fresh stool should be transferred to a collection vial containing the appropriate preservative (Para Pak orange-capped C&S vial). Add enough specimen to reach the fill line on the Para Pak vial. Stool should not be contaminated with urine or water.

SPECIMEN TRANSPORT:

- Stool in preservative: Transport at room temperature. Specimen is acceptable within 72 hours from time of collection.
- Raw stool: Raw stool should be submitted to the laboratory within 2 hours of collection. If transport is delayed beyond 2 hours a disclaimer for potential loss of viability for enteric organisms will be added to report. Raw stool is not accepted if not received within 24 hours of collection.



Test Name	Mnemonic	Test Code	CPT Code
Stool Culture	C STL	6000511	87045 & 87046 x3 (Culture) 87798 x2 (Shiga Toxin PCR)

FOR QUESTIONS OR ADDITIONAL INFORMATION, PLEASE CALL:

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*Wisconsin Diagnostic Laboratories
The right test, at the right time, every time.*