

NEW TEST ANNOUNCEMENT

NOTIFICATION DATE: April 23, 2013 **EFFECTIVE DATE:** June 4, 2013

SHIGA TOXIN, MOLECULAR DETECTION, PCR, FECES Test ID: STFRP

USEFUL FOR: Sensitive, specific, and rapid detection of the presence of Shiga toxin-producing organisms such as *Escherichia coli* O157:H7 and *Shigella dysenteriae* type 1 in stool.

METHODOLOGY: Real-Time Polymerase Chain Reaction (PCR) Using LightCycler and Fluorescent Resonance Energy Transfer (FRET).

SPECIMEN REQUIREMENTS:

Submit only 1 of the following specimens:

Preferred:

Specimen Type: Preserved Stool

Container/Tube: Commercially available transport system specific for recovery of enteric pathogens from fecal specimens (15 mL of non-nutritive transport medium containing phenol red

as a pH indicator, either Cary-Blair or Para-Pak C and S).

Specimen Volume: Representative portion of stool

Acceptable:

Specimen Type: Unpreserved Stool

Container/Tube: Stool container (Supply T288)
Specimen Volume: Representative portion of stool

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Fecal	Ambient (preferred)	7 days
	Frozen	7 days
	Refrigerated	7 days

CAUTIONS:

- Interfering substances in stool may affect the accuracy of this assay; results should always be interpreted in conjunction with clinical and epidemiological findings.
- This assay detects stx subtypes stx1, stx2, stx2c, and stx2d. It does not detect stx2e or stx2f which are seldom associated with human disease.

CPT CODE: 87798

DAYS SET UP: Monday through Sunday; Once daily **ANALYTIC TIME:** 1 day

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or Brandon DeBoom, MML Laboratory Technologist Resource Coordinator Telephone: 800-533-1710