

NEW TEST ANNOUNCEMENT NOTIFICATION DATE: March 11, 2013 **EFFECTIVE DATE:** April 11, 2013

BACTERIAL ENTERIC PATHOGENS, MOLECULAR DETECTION, PCR, FECES Test ID: EPFRP

USEFUL FOR: Rapid, sensitive, and specific identification of the common bacterial causes of diarrhea; *Campylobacter jejuni/coli*, *Salmonella* species, *Shigella* species, enteroinvasive *Escherichia coli*, shiga toxin-producing *Escherichia coli*, and *Yersinia* species.

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

Collection Instructions: Collect fresh stool and submit in container with transport medium.

Acceptable:

Specimen Type: Unpreserved Stool Container/Tube: Stool container (Supply T288) Specimen Volume: Representative portion of stool Collection Instructions: Collect fresh stool and submit in container.

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 test does not detect *Aeromonas* species, *Vibrio* species, *Plesiomonas shigelloides*, enterotoxigenic *Escherichia coli*, or other pathogens not specifically listed.

CPT CODE: 87798 x 5

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