

Test Menu

TOPIC	DESCRIPTION
Test Name	Shiga Toxin Producing <i>E. coli</i> (STEC) Culture and PCR
Other Name (s)	STEC
Analyte(s)	N/A
Test Code	2301 and 2302
Lab location	Jacksonville location
Department	Microbiology
Pre-Approval Required	None
Required Forms	DH1847
Specimen Sources	Stool or STEC isolates
Supplemental Information- Special Specimen Preparation	N/A
Minimum Volume	Fill within fill line (15 ml); GN broth: 1 ml minimum
Storage Conditions	15 - 30°C
Collection Media	Pure isolates sent on nutrient agar slant. Stools sent in GN Broth, raw or in Cary Blair media
Specimen Labeling	Patient name, DOB, Collection date and NPI
Packaging and Shipping Instructions and Handling	Ship specimens at 15-30°C. Must be received by the laboratory within 10 days of collection. Include paperwork with specimens but separate them physically.
Test Methodology	Culture, PCR
Turnaround Time	5 to 7 days
Result Indicator	Qualitative: detection of STEC
Unsatisfactory Specimen	No patient identification on sample Names on sample and requisition slip do not match Specimens damaged or leaked in transit Negative Shiga Toxin for non-O157 specimens. Received by the laboratory > 10 days after collection.
Interferences and Limitations	Non-viable, mixed cultures may not yield reportable results
Additional Information & Notes	Specimens positive for O157 and/or Shiga Toxin Positive Cultures will also be run by PCR to determine detection of <i>eae</i> , <i>ehxA</i> , <i>stx1</i> and <i>stx2</i> . Sero-grouping is performed for O111, O103, O26, O145, O45, O121. Serotyping performed for O157:H7.
Reference Range	Negative
Reference Lab	CDC
Reflex testing	WGS

