

**NAPA-SOLANO-YOLO-MARIN COUNTY
PUBLIC HEALTH LABORATORY**
2201 COURAGE DRIVE, MS 9-200
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Test	Shiga Toxin-Producing <i>Escherichia coli</i> (STEC) PCR
Test Description	Real-time polymerase chain reaction (PCR) for the detection of the following analytes: <i>stx1</i> (Shiga Toxin type 1 gene), <i>stx2</i> (Shiga Toxin type 2 gene) and <i>dppD</i> . The <i>dppD</i> gene was determined by the Microbial Diseases Laboratory of the California Department of Public Health to be specific for <i>Escherichia coli</i> . Note: The STEC PCR assay is a reflex test in the event of a suspicious STEC culture or as confirmation of a positive culture-independent diagnostic test (CIDT).
Acceptable specimens	<ol style="list-style-type: none"> 1. Fecal broth (GN or MAC) 2. Bacterial isolates 3. Stool specimens in Cary-Blair medium, if previously identified as positive by CIDT
Timing of specimen collection	Specimens should be collected as early as possible in the course of illness; bacteria may be difficult or impossible to detect after 1 week of illness onset.
Specimen storage	Fecal broths may be stored refrigerated up to 3 weeks or frozen indefinitely. Stool specimens in Cary-Blair medium can be stored refrigerated or at room temperature for up to 5 days after collection.
Specimen shipping	Specimens should be shipped refrigerated (2–8°C).
CPT code	87798
Test fee	Refer to the posted fee schedule
Result availability (turnaround time)	Results are typically available within 2 business days after specimen receipt.