



**CITY AND COUNTY OF SAN FRANCISCO  
PUBLIC HEALTH LABORATORY**  
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## Test Order

### Shiga Toxin Producing *Escherichia coli* (STEC) Serogrouping and Toxin Testing (including *E. coli* O157)

Synonym(s)	<i>E. coli</i> O157 serogrouping and toxin testing, non-O157 STEC serogrouping and toxin testing
Methodology	Culture, biochemical identification, latex agglutination, real time Shiga toxin gene ( <i>stx1/stx2</i> ) PCR, immunochromatographic rapid toxin assay
Acceptable Specimen Type(s) for Testing	Pure isolates, previously identified as <i>Escherichia coli</i>
Transport / Collection Medium	Transport on nutrient agar slant, packaged and sealed according to regulations.
Storage and Preservation of Specimen	Refrigerate until transported to the laboratory. Transport at room temperature.
Minimum Volume Required	N/A
Additional Collection Instructions	N/A
Additional Required Information	Please include identification results with submission.
Send Out?	Yes (Shiga toxin gene PCR and limited serogrouping performed in-house)
Turnaround Time	Up to 8 weeks
Testing Restrictions	
Requisition Form(s)	<a href="http://sfcdcp.org/document.html?id=1036">http://sfcdcp.org/document.html?id=1036</a>
Limitations / Notes / Disclaimers	This Shiga toxin gene PCR assay was developed and its performance characteristics were determined by the San Francisco Public Health Laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such approval is not necessary and results should not be regarded as investigational or for research.

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