



Department of Health and Human Services
Health and Environmental Testing Laboratory
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Detection of E.coli 0157:H7 /NON 0157 Shiga Toxin Producing E. coli (STEC) by Culture and Real Time RT PCR

Laboratory Submission Information Sheet

Reporting of suspect case to Maine CDC	<ul style="list-style-type: none">•Yes: E.coli 0157:H7 /NON 0157 Shiga Toxin Producing E. coli is a Notifiable Condition. If you have not already done so, please report suspect or confirmed cases to the Maine CDC via the disease reporting line: 1-800-821-5821 (24hrs/day 7 days/week.)
Required To Submit Laboratory Specimen	<ul style="list-style-type: none">•YES
Required Information	<ul style="list-style-type: none">•Information on requisition must include: suspected organism, patient name, DOB, date of collection, specimen source or type, or isolate, submitter name and contact information.•Important: all specimens must be labeled with patient name and be accompanied by a HETL requisition.
Specimen Requirements	<ul style="list-style-type: none">•Stool: Collect feces in a leak-proof container soon after onset of illness and preferably before start of treatment. Specimen may be in Cary-Blair or MacConkey broth. Isolate: Clinical isolates must be submitted to HETL for confirmation and serotyping. Isolate should be sent preferably in MacConkey broth. GN broth or slant is also acceptable
Collection Instructions	<ul style="list-style-type: none">•Stool samples in Cary-Blair media or MacConkey both should arrive at the laboratory within 48 hours of collection.•Raw stool samples must be transported to lab within 2 hours.•Isolate should be sent in MacConkey broth, GN broth or on a slant.
Turn Around Time	<ul style="list-style-type: none">•Clinical isolates have a 18-36 hour turn-around-time.•Samples requiring culture and isolation may extend turn-around-time by 72 hours.•WGS for Shiga Toxin producing E. coli is 10 business days
Unacceptable Conditions	<ul style="list-style-type: none">•Specimens received without a form and clinical details or with insufficient material to analyze.•Avoid contamination with urine, soap etc. Do not refrigerate. Raw stools not received within 2 hours of collection
Results	<ul style="list-style-type: none">•Report may include species isolation, identification, serotyping.•Shigatoxin 1 DNA detected, Shigatoxin 2 DNA detected, Shiatoxin1/2 DNA NOT detected•All results will be reported only to submitter as stated on requisition via mail or fax.
Laboratory Testing Fee	<ul style="list-style-type: none">•Isolates attributed to an outbreak are fee waived. Submitters who request PCR for Shiga Toxin producing E.coli will be charged a \$110.00 fee.
Applicable CPT Codes	<ul style="list-style-type: none">•CPT: 87798 (PCR) 87046 (culture-clinical specimens)
Additional Information	<ul style="list-style-type: none">•Bacteriology at 207-287-1704, Virology, Respiratory, Arbovirus, and Serology at 207-287-1722•Molecular Biology, Sequencing, and Foodborne at 207-287-5769•Mycobacterium and Rabies at 207-287-1706