



E.COLI 0157:H7 /NON 0157 SHIGA TOXIN Producing E. coli Laboratory Submission Information Sheet	
Reporting of suspect case to Maine CDC:	Yes: Shiga Toxin producing E.coli (0157:H7 and/or non 0157) 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:	Yes: suspect Shiga Toxin producing E.coli specimens or clinical isolates must be submitted to the Health and Environmental Testing Laboratory (HETL).
Required Information:	Information on requisition must include: suspected organism, patient name, DOB, date of collection, specimen source or type, submitter name and contact information. Specimen must be labeled with patient name. IMPORTANT: ALL SPECIMENS MUST BE LABELED WITH PATIENT NAME AND BE ACCOMPANIED BY AN HETL REQUISITION Requisition form available at: http://www.maine.gov/dhhs/mecdc/public-health-systems/health-and-environmental-testing/micro/documents/clinical-test-requisition-front.pdf
Specimen Requirements:	<u>Stool:</u> 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. <u>Isolate:</u> 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. NOTE: Please record on requisition if submission is stool or an isolate.
Collection Instructions:	Stool can be submitted in Cary Blair liquid media in a leak-proof container.
Specimen Handling and Transport:	1. Stool samples in Cary-Blair media or MacConkey both should arrive at the laboratory within 48 hours of collection. 2. Raw stool samples must be transported to lab within 2 hours. 3. Isolate should be sent in MacConkey broth, GN broth or on a slant. For more information on shipping please visit: http://www.maine.gov/dhhs/etl/micro/Client_directions_Ship_Cat_B_Spec_11_19_08.doc
Turn Around Time:	Clinical isolates have a 18-36 hour turn-around-time. Samples requiring culture and isolation may extend TAT by 72 hours.
Unacceptable Conditions:	Avoid contamination with urine, soap etc. Do not refrigerate. Raw stools not received within 2 hours of collection
Results Include(Culture)	Report may include species isolation, identification, serotyping,
Results Include(PCR)	Shigatoxin 1 DNA detected, Shigatoxin 2 DNA detected, Shiatoxin1/2 DNA NOT detected
Results:	All results will be reported only to submitter as stated on requisition via mail or fax.
Laboratory Testing Fee:	Isolates attributed to an outbreak are fee waived. Submitters who request PCR for Shiga Toxin producing E.coli will be charged a \$120.00 fee.
Applicable CPT Codes:	CPT: 83891 (nucleic acid extraction) 83900 (amplification) 83901(amplification) 87046 (culture-clinical specimens)
MeCDC Epidemiologists only	TAT for PFGE Shiga Toxin producing E. coli is 4-5 business days
Additional Information:	For Shiga Toxin producing E. coli specific questions contact Maine HETL Bacteriology at 207-287-1704