

Shiga-toxin (+) Broth Culture

Revised: 10-5-2023

Test Description	Detection of Shiga Toxins 1 and 2 (verotoxins) from stool broth cultures
Test Use	To confirm the presence of enterohemorrhagic <i>Escherichia coli</i> (EHEC) in stool enrichment broths that have tested positive for the presence of shiga toxin; to recover shiga-toxin producing isolates for epidemiological characterization.
Test Department	Microbiology Phone: (860) 920-6596 FAX: (860) 920-6721
Methodology	Enzyme-immunoassay (EIA)
Availability	Daily, Monday-Friday
Specimen Requirements	Stool specimen inoculated into GN Freshly passed stool specimen collected early in the course of the disease
Collection Kit/container	Stool specimens must be transferred into Cary Blair transport media. To obtain a collection kit, refer to Collection Kit Ordering Information.
Specimen Handling & Transport	Store broth or stool at refrigerator temperature (2-8° C). Transport specimen with an ice pack. Avoid temperature extremes.
Unacceptable Conditions	Unlabeled specimens Specimens that have leaked or containers that have broken in transit Specimens received in expired media
Requisition Form	Clinical Test Requisition OL-9B (select Shiga-toxin (+) Broth Culture)
Required Information	Name and address of submitter. Two patient identifiers (name, DOB, Acc.#, MRN), town of residence (city, state, zip). Specimen type or source of collection, date collected, and test requested. Please ensure information on the requisition matches the specimen.
Additional Comments	A positive result may also be obtained by the presence of toxin produced by <i>Shigella dysenteriae</i> type 1 strains or other organisms.