

C.T.

Cefixime Tellurite
(CT-SMAC medium for *E. coli* O157)

S2161 10 x 500 ml vials

For the selective isolation of E. coli O157:H7

FOR LABORATORY USE ONLY

Contents/Vial

Cefixime	0.025 mg
Potassium tellurite	1.25 mg

Final Concentration

@ 1 vial per 1 litre medium

Cefixime	0.05 mg/l
Potassium tellurite	2.5 mg/l

Application

When added to Sorbitol MacConkey Agar (BC2161) this antibiotic mixture produces a selective medium, CT-SMAC, for the isolation of *E. coli* O157:H7.

Ref: New Technical Approaches to *Escherichia coli* O157. *PHLS Microbiol Dig.* **12:** 67-71

Health & Safety

When used properly this material presents no hazard to the user. Should a vial be broken and the dry powder spilled observe standard laboratory precautions for disposal of low hazard waste.

Instructions

Rehydrate the contents of one vial aseptically with 5 ml of sterile deionised water. The addition can be done either with a syringe and needle through the rubber stopper or by removing the stopper and adding the reconstitution fluid with a sterile pipette.

Add the reconstituted supplement aseptically to freshly sterilised medium that has been allowed to cool to 47°C, add other supplements. Mix well and pour.

NOTE: As the majority of supplements are heat labile addition should be made to cooled medium immediately before dispensing.

Shelf Life

Lyophilised supplements have a long shelf life stored at 4°C (3 years from date of manufacture). Once reconstituted the material should be used immediately or discarded.

