



TELLURITE CEFIXIME SUPPLEMENT

TS 087

DESCRIPTION

A selective supplement recommended by ISO Committee for the isolation of *Escherichia coli* 0157:H7

PRINCIPLES OF THE PROCEDURE

The addition of cefixime and tellurite, significantly reduces the number of sorbitol non-fermenters that are to be screened during the attempted isolation of *E. coli* O157:H7.

APPLIED IN MEDIUM

TM 1393 MACCONKEY SORBITOL AGAR BASE
TMV 1393 MACCONKEY SORBITOL AGAR BASE (VEG.)

COMPOSITION

Ingredients	Concentration
Potassium tellurite	1.250mg
Cefixime	0.025mg

INSTRUCTIONS FOR USE

1. Rehydrate the contents of 1 vial aseptically with 5 ml of sterile distilled water.
2. Mix gently to dissolve the contents completely.
3. Aseptically add the contents to 495 ml of sterile, molten, cooled (45-50°C) MacConkey Sorbitol Agar Base (TM 1393), MacConkey Sorbitol Agar Base (VEG.) (TMV 1393).
4. Mix well and pour into sterile petri plates.

MICROBIOLOGICAL PARAMETERS (GROWTH PROMOTION TEST)

Culture characteristics observed after incubation period of 18 - 24 hours at 35 ± 2°C, w/ added Tellurite – Cefixime Supplement (TS 087).

Microorganisms	ATCC	*Inoculum (CFU)	Appearance of colony	Standard recovery (%)
<i>Escherichia coli</i> 0157; H7	NCTC 12900	50-100	Colourless	≥ 50%
<i>Pseudomonas aeruginosa</i>	27853	50-100	Colourless	≤ 10%
<i>Escherichia coli</i>	25922	≥ 1000	-----	0%
<i>Staphylococcus aureus</i>	25923	≥ 1000	-----	0%



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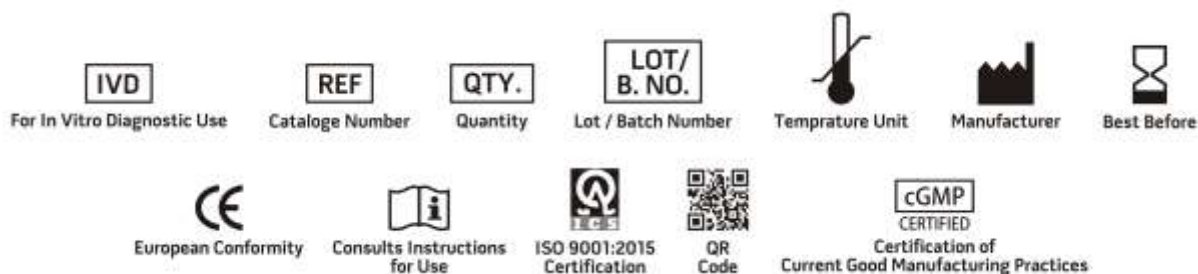
PRODUCT DATA SHEET

STORAGE AND STABILITY

Store the supplement vials at 2-8°C in its original packaging. If opened and not completely utilized, be certain that aseptic dispensing procedures are followed to maintain sterility of the emulsion. Protect from contamination by keeping container tightly closed

EXPIRATION

Do not use the material after the expiry period mentioned on the label. Expiry applies to emulsion in its intact container when stored as directed. Eliminate without using if any signs of deterioration are observed.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.