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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
CLOSTRIDIUM DIFFICILE SELECTIVE SUPPLEMENT SR0096E		

CLOSTRIDIUM DIFFICILE SELECTIVE SUPPLEMENT

SR0096E

Formula

Vial contents (each vial is sufficient to supplement 500ml of medium)

D-cycloserine	125.0 mg
Cefoxitin	4.0 mg

Description

A selective supplement for the isolation of *Clostridium difficile* when used with Clostridium Difficile Agar Base (CM0601).

Directions

Aseptically add 2ml of sterile distilled water to 1 vial and mix gently to dissolve. Avoid frothing. Aseptically add the vial contents to 500ml of sterile Clostridium Difficile Agar Base (CM0601) prepared as directed, cooled to 50°C and enriched with 7% v/v Horse Blood (SR0050). Mix well and pour into sterile Petri dishes.

Physical Characteristics

White pellet
 Sterility - passes test

Microbiological Tests Using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar or Columbia Blood Agar Base enriched with 5% v/v horse blood, where appropriate

Reactions after incubation at 37°C for 36 hours under anaerobic conditions

Tested in Clostridium Difficile Agar Base CM0601 enriched with 7% v/v horse blood

Medium is challenged with 10-100 colony-forming units

<i>Clostridium difficile</i>	NCTC11204	1-2mm grey/white colonies
<i>Clostridium difficile</i>	ATCC® 43593	1-2mm grey/white colonies
<i>Clostridium difficile</i>	ATCC® 9689	1-2mm grey/white colonies

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

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Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Clostridium perfringens</i>	ATCC® 13124	No growth
<i>Proteus mirabilis</i>	ATCC® 12453	No growth
<i>Escherichia coli</i>	ATCC® 25922	No growth
<i>Escherichia coli</i>	ATCC® 11775	No growth
<i>Staphylococcus aureus</i>	ATCC® 25923	No growth

Medium is challenged with 100-1000 colony-forming units

<i>Enterococcus faecalis</i>	ATCC® 29212	No growth or 0.5-1mm grey colonies
<i>Bacteroides fragilis</i>	ATCC® 25285	No growth or 0.5-1mm grey colonies

Negative strains are inhibited or shall produce at least a 1 log(10) reduction when compared to the control medium.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors. Removal of Oxoid Manual. Addition of Control Media, percentage recovery and inocula.	Change control	BT-CC-1916