OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

CEFIXIME TELLURITE SELECTIVE SUPPLEMENT SR0172E

CEFIXIME TELLURITE SELECTIVE SUPPLEMENT

Formula

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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cefixime</td>
<td>0.025 mg</td>
</tr>
<tr>
<td>Potassium tellurite</td>
<td>1.25 mg</td>
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</table>

Description

A selective supplement for the isolation of *Escherichia coli* O157.

Directions

Aseptically add 2ml of sterile distilled water to 1 vial and invert gently to dissolve. Aseptically add the vial contents to 500ml of sterile Sorbitol MacConkey Agar (CM0813) prepared as directed and cooled to 50°C. Mix well and pour into sterile Petri dishes.

Physical Characteristics

White pellet
Sterility - passes test

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Reactions after incubation at 37 ± 2°C for 21 ± 3 hours

Tested in Sorbitol MacConkey Agar CM0813

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

*Proteus mirabilis* NCTC10975 No growth

Medium is challenged with greater than 1E+02 colony-forming units

*Escherichia coli* ATCC®11775 No growth or pinpoint to 0.25mm pink colonies

Negative strains are inhibited or shall produce a negative diagnostic reaction.
Testing performed in accordance with ISO11133:2014

Reactions after incubation at 37 ± 2°C for 21 ± 3 hours

Tested in Sorbitol MacConkey Agar CM0813

Medium is challenged with 50-120 colony-forming units

*Escherichia coli*  
NCTC12900  WDCM00014  1-2mm straw colonies

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

Medium is challenged with greater than 1E+04 colony-forming units

*Escherichia coli*  
ATCC®25922  WDCM00013  No growth or pinpoint to 0.25mm pink colonies

*Escherichia coli*  
ATCC®8739  WDCM00012  No growth or pinpoint to 0.25mm pink colonies

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

*Staphylococcus aureus*  
ATCC®25923  WDCM00034  No growth

*Staphylococcus aureus*  
ATCC®6538  WDCM00032  No growth

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Revision History

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<thead>
<tr>
<th>Section / Step</th>
<th>Description of Change</th>
<th>Reason for Change</th>
<th>Reference</th>
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<tbody>
<tr>
<td>All</td>
<td>Reformatting of document to new format</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>N/A</td>
<td>Removal of <em>Shigella flexneri</em> ATCC12022 NCTC12698</td>
<td>Update to test specification</td>
<td>BT-CC-2203</td>
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<td>ISO 11133 compliance</td>
<td>Change of lower limit for sorbitol positive <em>E. coli.</em></td>
<td>Change control</td>
<td>BT-CC-2380</td>
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<td>Addition of performance criteria</td>
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