OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

PERFRINGENS (OPSP) SELECTIVE SUPPLEMENT B SR0077E

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Formula

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

Oleandomycin phosphate 0.25 mg
Polymyxin B sulphate 5000 I.U.

Description

A freeze-dried selective supplement for the isolation of *Clostridium perfringens*.

Directions

Aseptically add 2ml of sterile distilled water to one vial and mix gently to dissolve. Aseptically add the vial contents and one vial of rehydrated Perfringens (OPSP) Selective Supplement A (SR0076) to 500ml of Perfringens Agar Base (OPSP) (CM0543) 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 Media: Tryptone Soya Agar or Columbia Blood Agar Base enriched with 5% v/v horse blood, where appropriate

Make up the medium according to the directions. Add the test organisms to the medium using the pour plate technique.

Reactions after incubation at 37°C for 24 hours under anaerobic conditions

Medium is challenged with 10-100 colony-forming units

*Clostridium perfringens* ATCC®13124 2-4mm straw/black colonies, black centres
*Clostridium perfringens* ATCC®12916 2-4mm straw/black colonies, black centres

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

*Proteus mirabilis* NCTC10975 Pinpoint to 0.5mm straw/colourless colonies
*Enterococcus faecalis* ATCC®19433 Pinpoint to 0.5mm straw colonies
A satisfactory result is represented by recovery equal to or greater than 40% of the control medium.

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

- **Escherichia coli** (ATCC®25922) No growth
- **Enterobacter aerogenes** (ATCC®13048) No growth
- **Clostridium bifermentans** (ATCC®638) No growth
- **Clostridium sporogenes** (ATCC®19404) No growth

Negative strains are inhibited.
**Revision History**

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<tr>
<td>Entire Document</td>
<td>Update to new document format and correction of typographical/minor errors. Addition of Control Media and Result Criteria.</td>
<td>Change control</td>
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