

Distribution: Central File

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**OXOID QUALITY ASSURANCE****PRODUCT SPECIFICATION****PERFRINGENS (SFP) SELECTIVE SUPPLEMENT (OXOID)****SR0093E****Formula**

Per vial (sufficient to supplement 500ml of medium)

Kanamycin sulphate

6 mg

Polymyxin B

15,000 IU

**Description**

A selective supplement for the isolation of *Clostridium perfringens* when used with Perfringens Agar Base (TSC/SFP) (CM0587).

**Directions**

To one vial aseptically add 2ml of sterile distilled water and dissolve the contents completely. Avoid frothing. Add the contents to 500ml Perfringens Agar Base (CM0587) cooled to 50°C, together with 25ml of egg yolk emulsion (SR0047). Mix gently 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 24 hours under anaerobic conditions  
(for details refer to Oxoid Manual - Atmosphere Generation Systems)**

Tested in Perfringens Agar Base (TSC/SFP) CM0587

Medium is challenged with 10-100 colony forming units

Pour plate technique

<i>Clostridium perfringens</i>	ATCC® 13124	1-3mm black colonies with halo
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<i>Clostridium perfringens</i>	ATCC® 12916	1-3mm black colonies with halo
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<i>Clostridium bifermentans</i>	NCTC 506	0.5-2mm black colonies with halo
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For *Clostridium perfringens*, a satisfactory result is represented by recovery equal to or greater than 70% of the control medium.

For *Clostridium bifermentans*, a satisfactory result is represented by recovery equal to or greater than 30% of the control medium.

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

Surface plate technique

<i>Clostridium tetani</i>	ATCC® 9441	No growth
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<i>Escherichia coli</i>	ATCC® 25922	No growth
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Negative strains are inhibited.

Once inoculated overlay plates with unsupplemented SFP Agar without Egg Yolk.