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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
STAPH./STREP. SELECTIVE SUPPLEMENT (CNA SUPPLEMENT) SR0070E		

STAPH./STREP. SELECTIVE SUPPLEMENT (CNA SUPPLEMENT)

SR0070E

Formula

Per vial (each vial is sufficient to supplement 500ml of medium).

Nalidixic acid	7.5 mg
Colistin sulphate	5.0 mg

Description

A freeze-dried selective supplement that may be used in the preparation of CNA Staph/Strep Medium for the selective isolation of *Staphylococcus* and *Streptococcus* species.

Directions

To one vial add 5ml of 95% Ethanol and mix gently to dissolve. Aseptically add the vial contents to 500ml of Columbia Blood Agar Base (CM0331) containing 5-7% horse blood (SR0050) cooled to 50°C. Mix well and pour into sterile containers.

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


Tested in Columbia Blood Agar Base CM0331 enriched with 5% v/v horse blood

Reactions after incubation at 37°C for 18 hours

Medium is challenged with 10-100 colony-forming units

<i>Streptococcus pyogenes</i>	ATCC®19615	0.5-1mm colourless/white colonies, β haemolysis
<i>Streptococcus pneumoniae</i>	ATCC®6303	1-4mm grey/white colonies, α haemolysis
<i>Enterococcus faecalis</i>	ATCC®19433	0.5-1.5mm colourless/white colonies
<i>Enterococcus durans</i>	ATCC®19432	0.5-1.5mm colourless/white colonies
<i>Staphylococcus aureus</i>	ATCC®25923	0.25-1mm white/orange colonies
<i>Staphylococcus epidermidis</i>	ATCC®14990	0.25-1mm white/orange 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>Bacillus cereus</i>	ATCC®10876	No growth
<i>Escherichia coli</i>	ATCC®25922	No growth
<i>Pseudomonas aeruginosa</i>	ATCC®27853	No growth
<i>Proteus mirabilis</i>	ATCC®12453	No growth

Negative strains are inhibited.

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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. Addition of Control Media and Result Criteria.	Change control	MBD-2022-0097