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VCAT SELECTIVE SUPPLEMENT SR0104H		

VCAT SELECTIVE SUPPLEMENT

SR0104H

Formula

Vial contents (each vial is sufficient to supplement 2 litres of medium)

Vancomycin	4.0 mg
Colistin sulphate	15.0 mg
Amphotericin B	2.0 mg
Trimethoprim	6.0 mg

Description

A selective supplement for the isolation of pathogenic *Neisseria* species.

Directions

Aseptically add 10ml of sterile distilled water to 1 vial and mix gently to dissolve. Avoid frothing. Aseptically add the contents to 1990ml of sterile GC Agar Base (CM0367), cooled to 50°C and enriched with 200ml Laked Horse Blood (SR0048) and 4 vials of Yeast Autolysate Supplement (SR0105B) reconstituted as directed. Mix well and pour into sterile Petri dishes.

Physical Characteristics


Pale yellow pellet
Sterility - passes test

Microbiological Tests Using Optimum Inoculum Dilution

Control Media: GC Agar Base with the addition of Vitox and Soluble Haemoglobin, Sabouraud Dextrose Agar or Tryptone Soya Agar, where appropriate

Tested in GC Agar Base CM0367 enriched with 10% v/v laked horse blood and Yeast Autolysate Supplement SR0105

The CLSI M22 control strains required for Selective media for pathogenic *Neisseria* spp. are included in the test panel

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Reactions after incubation at 37°C for 48 hours in 10% CO₂ atmosphere

Medium is challenged with 10-100 colony-forming units

<i>Neisseria gonorrhoeae</i>	ATCC®43069	1-3mm straw/brown colonies
<i>Neisseria gonorrhoeae</i>	ATCC®19424	1-3mm straw/brown colonies
<i>Neisseria meningitidis</i>	ATCC®13090	1-3mm straw/brown colonies
<i>Neisseria meningitidis</i>	ATCC®13077	1-3mm straw/brown colonies

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

Medium is challenged with 10-1000 colony-forming units


<i>Candida albicans</i>	ATCC®60193	No growth or ppt-1mm cream colonies
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A satisfactory result is represented by no growth or a recovery of no greater than 100% of the control medium.

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

<i>Staphylococcus epidermidis</i>	ATCC®12228	No growth
<i>Escherichia coli</i>	ATCC®25922	No growth
<i>Bacillus subtilis</i>	ATCC®6633	No growth
<i>Proteus mirabilis</i>	ATCC®43071	No growth or yellow colonies
<i>Neisseria sicca</i>	ATCC®9913	No growth or minimal growth

Negative strains are inhibited or produce a negative diagnostic reaction. For *Neisseria sicca* ATCC®9913, minimal growth is defined as less than 20 ppt-3mm straw/brown colonies.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Microbiological Tests	Removal of 24 hour results	Change control	MOC-2024-0924