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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BRUCELLA SELECTIVE SUPPLEMENT SR0083A		

BRUCELLA SELECTIVE SUPPLEMENT

SR0083A

Formula

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

Polymyxin B	2,500 IU
Bacitracin	12,500 IU
Cycloheximide	50.0 mg
Nalidixic acid	2.5 mg
Nystatin	50,000 IU
Vancomycin	10.0 mg

Description

A freeze-dried selective supplement for the isolation of *Brucella* species.

Directions

Aseptically add 10ml of 1:1 methanol: sterile distilled water to 1 vial to form an even suspension. Incubate for 10-15 minutes at 37°C. Mix thoroughly and immediately add the vial contents to 500ml of sterile Brucella Medium Base (CM0169 or CM0691), Columbia Agar Base (CM0331) or Blood Agar Base No.2 (CM0271) prepared as directed, cooled to 50°C and enriched with 50ml inactivated Horse Serum (SR0035) and 25ml of a 10% w/v sterile solution of Dextrose (LP0071). Mix well and pour into sterile Petri dishes.

Physical Characteristics

Off-white powder
Sterility - passes test

Microbiological Tests Using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar, Sabouraud Dextrose Agar or Brucella Medium Base enriched with 5% v/v inactivated horse serum, where appropriate

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Tested in Brucella Medium Base CM0169 with the addition of 10% v/v inactivated horse serum and 5% v/v of a filter-sterilised 10% w/v solution of glucose

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

Medium is challenged with 1E+02 to 1E+03 colony-forming units

Pseudomonas aeruginosa ATCC®27853 1-3mm straw colonies

Medium is challenged with 1E+03 to 1E+04 colony-forming units

Candida albicans ATCC®10231 No growth or pinpoint-0.5mm white colonies

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

Staphylococcus aureus ATCC®25923 No growth

Escherichia coli ATCC®25922 No growth

Negative strains are inhibited or shall produce at least a 1 log(10) reduction when compared to the control medium.

Reactions after incubation at 37°C for 10 days in CO₂ atmosphere

The growth characteristics of a well-characterised isolate of Brucella shall be comparable to the standard.

Brucella abortus Biotype 2

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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	BT-CC-1952
Microbiological Tests	Correction of CO ₂ atmosphere to 10% CO ₂ atmosphere.	Change control	BT-CC-1952