thermoscientific

PRODUCT SPECIFICATION

THERMO SCIENTIFIC™ BRILLIANCE™ MRSA 2 AGAR PO1210A

Typical Formula*

	grams per litre
Peptone mix	20.0
Carbohydrate	4.0
Kaolin	8.0
Salts	5.0
Chromogenic mix	0.2
Agar	13.0
Antibiotic cocktail	20.0ml

*adjusted as required to meet performance standards

Preparation
Suspend *Brilliance*™ MRSA 2 Agar (50 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. Cool, add selective antibiotic cocktail, mix and aseptically dispense into Petri dishes. Label dishes, wrap and label pack.

Format
Ten 90mm plates, wrapped in a single nylon-based film wrap. Each plate is ink-jet printed with (abbreviated) product name, product code, lot number and expiry date.

Labels
Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Physical Characteristics

pH	7.3 ± 0.2
Colour	Pale buff
Clarity	Opaque
Fill weight	19.0 ± 2.0g

Packaging and presentation
General appearance of packaging and label should be satisfactory. Label data should be correct.

Contamination Check
Macroscopic examination should show no evidence of microbial growth after incubation at 30-34°C for ≥ 72 hours.

Microbiological Tests Using Optimum Inoculum Dilution

Results after incubation at 35-39°C for 18-24 hours

Positive controls
Inoculum 10-100 colony forming units

Staphylococcus aureus	ATCC® 33591	Blue colonies

Colony counts shall be equal to or greater than 50% of the control medium (Tryptone Soya Agar).

Negative controls
Inoculum 1,000-10,000 colony forming units

Staphylococcus epidermidis	ATCC® 12228	No growth
Pseudomonas aeruginosa	ATCC® 27853	No growth
Staphylococcus aureus var *oxford*	ATCC® 9144	No growth
Proteus mirabilis	ATCC® 29906	No growth

Specificity Control
Inoculum greater than 100,000 colony forming units

Bacillus licheniformis	ATCC® 14580	Pink colonies, restricted growth

Storage conditions
Store away from the light between 2-10°C.

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