thermoscientific

PRODUCT SPECIFICATION

OXOID R2A AGAR BO0071M

Typical Formula*

	grams per litre
Yeast extract	0.5
Proteose peptone	0.5
Casein hydrolysate	0.5
Glucose	0.5
Starch	0.5
Di-potassium phosphate	0.3
Magnesium sulphate	0.024
Sodium pyruvate	0.3
Agar	15.0

*adjusted as required to meet performance standards

Preparation
Suspend R2A Agar (18.1 grams/litre) in de-ionised water. Heat to dissolve. Cool and dispense 100ml into final containers, 125ml sirop bottles. Sterilise at 121°C for 15 minutes. When cooled, label each bottle and pack in units of 10 in labelled boxes.

Format
Ten sirop bottles with screw top lids in a box.

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

Physical Characteristics

pH	7.2 ± 0.2
Colour	Straw 1
Clarity	Clear
Fill weight	100.0 – 101.5g

Packaging and presentation:
General appearance of bottle 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
(Microbiology is conducted after the agar has been melted and poured into Petri dishes)

Results after incubation at 30-34°C for 36-48 hours
Positive controls
Inoculum 10-100 colony forming units

Staphylococcus aureus	ATCC® 6538	White colonies
Pseudomonas aeruginosa	ATCC® 9027	White colonies
Escherichia coli	ATCC® 8739	White colonies

Bacillus subtilis	ATCC® 6633	White colonies

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

Storage conditions
Store away from light between 2-25ºC.

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