

PRODUCT SPECIFICATION

R2A AGAR

PO0659A

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. Sterilise at 121°C for 15 minutes. Cool 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	7.2 ± 0.2
Colour	Straw 1
Clarity	Clear
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 30-34°C for 36-48 hours

Positive controls

Inoculum 10-100 colony forming units

<i>Staphylococcus aureus</i>	ATCC® 6538	White colonies
<i>Pseudomonas aeruginosa</i>	ATCC® 9027	White colonies
<i>Escherichia coli</i>	ATCC® 8739	White colonies
<i>Bacillus subtilis</i>	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 the light between 2-10°C.

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