

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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