

R2A Agar

TN 1297 500 g



Intended use

Used in the testing of water for use in injections.

Form

Powder

Colour

Bright beige

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Yeast extract	0.5
Casein hydrolysate	0.5
Proteose peptone	0.5
Dextrose	0.5
Starch	0.5
Dipotassium hydrogen phosphate	0.3
Magnesium sulfate	0.024
Sodium pyruvate	0.3
Agar	15

Directions

Suspend 18.1 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

Final pH at 25 °C

7.2 ± 0.2

Microbiological quality control

Incubate R2A Agar aerobically for 5 days at 30 – 35 °C.

Test strain	No.	Inoculum (CFU)	Colony morphology
<i>Pseudomonas aeruginosa</i>	ATCC 25668	10-100	good growth; colonies are greenish-white and translucent
<i>Pseudomonas aeruginosa</i>	ATCC 9027	10-100	good growth; colonies are greenish-white and translucent
<i>Pseudomonas aeruginosa</i>	ATCC 27853	10-100	good growth; colonies are greenish-white and translucent
<i>Burkholderia cepacia</i>	ATCC 25416	10-100	good growth; colonies are greenish-white and translucent
<i>Candida albicans</i>	ATCC 10231	10-100	good growth; colonies are white and opaque
<i>Escherichia coli</i>	ATCC 8739	10-100	good growth; colonies are white and translucent
<i>Staphylococcus aureus</i>	ATCC 6538	10-100	good growth, colonies are yellowish-white and opaque
<i>Salmonella</i> Abony	NCTC 6017	10-100	good growth; colonies are white and translucent