R2A-Agar

M&S item numbers: 4125 (25 x 20 ml) and 5095 (4 x 250 ml)

Application range: R2A-Agar is used for the total colony count of mesophilic, heterotrophic microorganisms in water and other samples.

Formulation: (typical)

Casein Peptone	0.5 g/l
Yeast extract	0.5 g/l
Peptone	0.5 g/l
Dextrose	0.5 g/l
Soluble starch	0.5 g/l
Dipotassiumhydrogenphosphate	0.3 g/l
Magnesiumsulphate	0.024 g/l
Sodiumpyruvate	0.3 g/l
Agar	15.0 g/l
pH 7.0 ± 0.2	
Color	colorless

Storage: Dark and dry at 4 – 12 °C

Description: R2A-agar is a medium with low nutrient concentration, which, in combination with the long incubation time at low incubation temperature, allows slow growing organisms to develop without being suppressed by fast growing organisms.

Typical growth: Incubation at 30 – 35 °C for 1 – 3 days or at 20 – 28 °C for 3 – 5 days

Microorganisms	Growth	Colony appearance
Escherichia coli	very good	beige
Pseudomonas aeruginosa	very good	beige
Staphylococcus aureus	very good	light yellow
Enterococcus faecalis	good	beige

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