

R2A Agar

Product: R2A Agar

Catalogue Number: i23153

Content: 500 g

Use: R2A Agar is used for enumerating heterotrophic organisms in treated potable water.

Principle: Yeast extract provides a source of trace elements and vitamins. Peptone and casamino acids provide nitrogen, vitamins, amino acids, carbon and minerals. Dextrose serves as a carbon source. Soluble starch aids in the recovery of injured organisms by absorbing toxic metabolic by-products. Sodium pyruvate increases the recovery of stressed cells. Potassium phosphate is used to balance the pH and provide phosphate. Magnesium sulfate is a source of divalent cations and sulfate. Agar is the solidifying agent.

Composition g / l

Casein acid hydrolysate	0.500
Yeast extract	0.500
Proteose peptone	0.500
Dextrose	0.500
Starch, soluble	0.500
Dipotassium phosphate	0.300
Magnesium sulphate	0.024
Sodium pyruvate	0.300
Agar	15.000

Dehydrated Appearance: Light beige, free-flowing, homogeneous.

Solution: 1.82% solution, soluble in purified water upon boiling. Solution is light amber, clear to very slightly opalescent with a slight precipitate.

Prepared Appearance: Light to medium amber, clear to very slightly opalescent.

pH at 25 °C: 7.2 ± 0.2

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Storage: Store at 15-30°C in tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label

Shelf life: If stored under recommended conditions the unopened container has a shelf-life of 3 years after day of production (see expiry date on the label).