

MRS Agar

Product: MRS Agar

Catalogue Number: i23114

Content: 500 g

Use: MRS Agar is recommended for use in the isolation, enumeration and cultivation of Lactobacillus species.

Principle: MRS Agar contains peptone and dextrose. These ingredients supply nitrogen, carbon and other elements necessary for growth. Polysorbate 80, acetate, magnesium and manganese provide growth factors for culturing a variety of lactobacilli. The above ingredients may inhibit the growth of some organisms other than lactobacilli.

Composition g / l:

Proteose peptone	10.000
Beef extract	10.000
Yeast extract	5.000
Dextrose	20.000
Polysorbate 80	1.000
Ammonium citrate	2.000
Sodium acetate	5.000
Magnesium sulphate	0.100
Manganese sulphate	0.050
Dipotassium phosphate	2.000
Agar	15.000

Dehydrated Appearance: Light tan, free-flowing.

Solution: 7.0% solution, soluble in purified water upon boiling. Solution is medium amber, clear to slightly opalescent.

Prepared Appearance: Medium amber, very slightly to slightly opalescent.

pH at 25 °C: 6.5 ± 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).