

## MRS Broth

**Product:** MRS Broth

**Catalogue Number:** i23117

**Content:** 500 g

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

**Principle:** MRS Broth 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

**Dehydrated Appearance:** Light tan, free-flowing.

**Solution:** 5.5% 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

## MRS Broth

**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).