



79562

## Lactobacillus MRS Agar (I)

Part D

### Specifications

Appearance (Colour)	Creamish tan
Appearance (Form)	Free flowing, homogeneous powder
Solubility	65.25 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength (1.5% gel)	Firm, comparable with 1.5% gel
pH (25°C)	6.7 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Medium to dark amber
Cultural Response	Inoculate and incubate at 37°C for 18-72 hours
Organism	Lactobacillus acidophilus ATCC 19992
Inoculum (cfu) 10-100	Growth : Good , Recovery Rate : >=50%
Organism	Lactobacillus plantarum ATCC 8014
Inoculum (cfu) 10-100	Growth : Good , Recovery Rate : >=50%
Organism	Lactobacillus leichmannii ATCC 7830
Inoculum (cfu) 10-100	Growth : Good , Recovery Rate : >=50%
Organism	Lactobacillus fermentum ATCC 9338
Inoculum (cfu) 10-100	Growth : Good , Recovery Rate : >=50%

### Other Information

#### Applications

Used for the isolation and enumeration of lactic acid bacteria from meat and meat products.

#### Composition

Ingredients	gm/lt.
Agar	12.00
Peptone	10.00
Yeast extract	5.00
Dextrose	20.00
Meat extract	8.00
Triammonium citrate	2.00
Sodium acetate	5.00
Magnesium sulfate heptahydrate	0.20
Manganese sulfate tetrahydrate	0.05
Dipotassium phosphate	2.00

Sorbitan monooleate (Tween 80)

1.00

**Directions**

1. Add 65.25 gm powder to 1.0 liter distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Autoclave at 15 psi pressure at 121°C for 15 minutes.
4. Dispense into sterile petri plates.

**General Information**

Storage

2 to 8°C (Refrigerate)

Shelf Life

36 Months

IMDG Identification

Not Regulated for Transport (Non-Haz)

HSN Code

500 Gms

38210000 (GST 18%)

100 Gms

38210000 (GST 18%)

Type of Packing

500 Gms

Plastic Bottle

**Available Packages**

100 Gms

500 Gms

**Disclaimer**

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