



49190

Lactobacillus MRS Broth (MRS Broth)

Part D

Specifications

Appearance (Colour)	Creamish tan
Appearance (Form)	Free flowing, homogeneous powder
Solubility	55.15 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
pH (25°C)	6.5 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent without any precipitate
Prepared Medium Appearance after autoclaving (Colour)	Light to medium amber
Cultural Response	Inoculate and incubate at 37°C for 18-24 hours (with 5% CO ₂)
Organism	Lactobacillus leichmannii ATCC 7830
Inoculum (cfu) 10-100	Growth : Good
Organism	Lactobacillus plantarum ATCC 8014
Inoculum (cfu) 10-100	Growth : Good
Organism	Lactococcus lactis ATCC 19435
Inoculum (cfu) 10-100	Growth : Good
Organism	Lactobacillus fermentum ATCC 9338
Inoculum (cfu) 10-100	Growth : Good
Organism	Lactobacillus casei ATCC 9595
Inoculum (cfu) 10-100	Growth : Good
Organism	Escherichia coli ATCC 25922
Inoculum	≥10 ³ , Growth : Inhibited

Other Information

Applications

For the cultivation of lactobacilli.

Composition

Ingredients	gm/lt.
Proteose peptone	10.00
Yeast extract	5.00
Dextrose	20.00
Beef extract (ex. buffalo)	10.00
Ammonium citrate	2.00
Sodium acetate	5.00
Magnesium sulfate	0.10
Manganese sulfate	0.05

Dipotassium phosphate	2.00
Polysorbate 80 (Tween 80)	1.00

Directions

1. Add 55.15 gm powder to 1.0 liter distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Dispense into test tubes.
4. Autoclave at 15 psi pressure at 121°C for 15 minutes.

General Information

Storage	2 to 8°C (Refrigerate)
Shelf Life	36 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
100 Gms	38210000 (GST 18%)
500 Gms	38210000 (GST 18%)

Available Packages

100 Gms

500 Gms

Disclaimer

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