



79562

Lactobacillus MRS Agar (ISO Basis)

Part D

| Specifications                       |                                                |
|--------------------------------------|------------------------------------------------|
| Appearance (Colour)                  | Creamish tan                                   |
| Appearance (Form)                    | Free flowing, homogeneous powder               |
| Solubility                           | 65.25 gms/liter                                |
| pH (25°C)                            | 6.50 - 6.90                                    |
| Gel strength                         | Firm, comparable with 1.2% agar gel            |
| Prepared Medium Appearance (Colour)  | Medium to dark amber                           |
| Prepared Medium Appearance (Clarity) | Clear to slightly opalescent                   |
| Cultural Response                    | Inoculate and incubate at 37°C for 18-72 hours |
| Organism                             | Lactobacillus acidophilus ATCC 19992           |
| Inoculum (cfu) 10-100                | Growth : Good<br>Recovery Rate : >=50.0%       |
| Organism                             | Lactobacillus plantarum ATCC 8014              |
| Inoculum (cfu) 10-100                | Growth : Good<br>Recovery Rate : >=50.0%       |
| Organism                             | Lactobacillus leichmannii ATCC 7830            |
| Inoculum (cfu) 10-100                | Growth : Good<br>Recovery Rate : >=50.0%       |
| Organism                             | Lactobacillus fermentum ATCC 9338              |
| Inoculum (cfu) 10-100                | Growth : Good<br>Recovery Rate : >=50.0%       |

Other Information

Applications

Used for the isolation and enumeration of lactic acid bacteria from meat and meat products.This medium is in accordance to specifications given by ISO 13721 : 1995.

| Composition                    |         |
|--------------------------------|---------|
| Ingredients                    | gms/lt. |
| 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    |
| Agar                           | 12.00   |

pH (25°C) : 6.7 ± 0.2

Directions

- 1. Add 65.25 gm powder to 1.0 liter distilled/deionized 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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