



24415

## M17 Agar Base

Part D

### Specifications

Appearance (Colour)	Cream coloured
Appearance (Form)	Free flowing, homogeneous powder
Solubility	33.25 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	7.1 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Light to medium amber
Prepared Medium Appearance after autoclaving (Colour)	Clear to very slightly opalescent
Cultural Response	Inoculate and incubate at 35°C - 37°C for 24-48 hours
Organism	Enterococcus faecalis ATCC 29212
Inoculum (cfu) 10-100	Growth : Good Recovery : =>50%
Organism	Lactobacillus leichmanii ATCC 4797
Inoculum (cfu) 10-100	Growth : Good Recovery : =>50%
Organism	Lactobacillus plantarum ATCC 8014
Inoculum (cfu) 10-100	Growth : Good Recovery : =>50%
Organism	Lactobacillus bulgaricus ATCC 11842
Inoculum (cfu) 10-100	Growth : None- poor Recovery : =>10.0%
Organism	Streptococcus thermophilus ATCC 14485
Inoculum (cfu) 10-100	Growth : Good Recovery : =>50.0%

### Other Information

#### Applications

For improved growth of lactic streptococci and their bacteriophages.

Composition	
Ingredients	gm/lt.
Papaic digest of soyabean meal	5.00
Peptic digest of animal tissue	5.00
Beef extract (ex. buffalo)	5.00
Ascorbic acid	0.50
Yeast extract	2.50
Magnesium sulphate	0.25
Lactose	5.00
Agar	10.00

### Directions

1. Add 33.25 gm powder to 1.0 liter distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Add 19.00 gms of Disodium beta glycerophosphate.
4. Autoclave at 15 psi pressure at 121°C for 15 minutes.

### General Information

Storage	8 to 25°C (Cool & Dry Area)
Shelf Life	36 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
100 Gms	38210000 (GST 18%)
500 Gms	38210000 (GST 18%)
Type of Packing	
100 Gms	Plastic Bottle
500 Gms	Plastic Bottle

### Available Packages

100 Gms
500 Gms

#### Disclaimer

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