



10474

Gelatin Agar DEV

Part D

Specifications

Appearance (Colour)	Beige
Appearance (Form)	Free flowing, homogeneous powder
Solubility	50.00 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength	Firm, comparable with 1.5% agar and 1.0% gelatin gel
pH (25°C)	7.3 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Light to medium amber
Cultural Response	Inoculate and incubate at 18-22°C for 40-48 hours. Gelatin liquefaction is observed by flooding the plates with standard ammonium sulphate solution.
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Gelatin liquefaction : (- ve)
Organism	Bacillus cereus ATCC 10876
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Gelatin liquefaction : (+)ve
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Gelatin liquefaction : (+)ve
Organism	Proteus vulgaris ATCC 13315
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Gelatin liquefaction : (-)ve
Organism	Enterococcus faecalis ATCC 29212
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Gelatin liquefaction : (+)ve
Organism	Aeromonas hydrophila ATCC 7966
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Gelatin liquefaction : (+)ve
Key	(+)ve = clear zone around the colony (-)ve = no clear zone around the colony

Other Information

Applications

Used in water and waste water testing for the determination of total microbial count and for the detection of gelatin liquefying microorganisms according to the German methods for the examination of water and the German drinking water regulations (1990).

Composition

Ingredients	gms/lt.
Meat peptone	10.00
Meat extract	10.00
Sodium chloride	5.00
Gelatin	10.00
Agar	15.00

Directions

1. Add 50.00 gm powder to distilled/purified water.
2. Bring volume to 1.0 liter and mix thoroughly.
3. Gently heat and bring to boiling.
4. Autoclave at 15 psi pressure at 121°C for 15 minutes.
5. Dispense into sterile petri plates.

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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