



99505

Malonate Broth

Part D

Specifications

Appearance (Colour)	Light green
Appearance (Form)	Free flowing, homogeneous powder
Solubility	8.00 gm/liter
Solubility before autoclaving (Clarity)	Clear without any precipitate
pH (25°C)	6.7 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear without any precipitate
Prepared Medium Appearance after autoclaving (Colour)	Bluish green, clear without any precipitate
Cultural Response	Inoculate and incubate at 35-37°C for 18-48 hours
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good, Malonate Utilization : (+)
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Fair - good, Malonate Utilization : (-)
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Poor - fair, Malonate Utilization : (-)
Organism	Klebsiella pneumoniae ATCC 13883
Inoculum (cfu) 10-100	Growth : Good, Malonate Utilization : (+)
Key	Malonate Utilisation : (+) :Dark blue colour (-) : No colour change of medium

Other Information

Applications

Used for differentiating Enterobacter and Escherichia coli based on malonate utilization.

Composition

Ingredients	gm/lt.
Ammonium sulphate	2.00
Dipotassium phosphate	0.60
Monopotassium phosphate	0.40
Sodium chloride	2.00
Sodium malonate	3.00
Bromothymol Blue	0.025

Directions

1. Add 8.00 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	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%)
Type of Packing	
100 Gms	Plastic Bottle

Available Packages

100 Gms

Disclaimer

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608-B, Satellite Gazebo, Andheri Ghatkopar Link Road, Chakala, Andheri (E), Mumbai - 400 099, Maharashtra, India. Telephone: +91-22-4268 5800, Email: info@srchem.com, website www.srchem.com
