



59437

Simmon`s Citrate Agar

Part D

Specifications

Appearance (Colour)	Mustard yellow
Appearance (Form)	Free flowing, homogeneous powder
Solubility	24.28 gm/liter
Solubility before autoclaving (Clarity)	Slightly opalescent
pH (25°C)	6.9 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Forest green
Cultural Response	Inoculate and incubate at 37°C for 18 - 24 hours
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Medium colour : Blue Citrate utilization : (+ve)
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good Medium colour : Blue Citrate utilization : (+ve)
Organism	Salmonella enteritidis ATCC 13076
Inoculum (cfu) 10-100	Growth : Good Medium colour : Blue Citrate utilization : (+ve)
Organism	Salmonella typhi ATCC 6539
Inoculum (cfu) 10-100	Growth : Fair-good Medium colour : Green Citrate utilization : (-ve)
Organism	Escherichia coli ATCC 25922
Inoculum	>=10 ³ , Growth : Inhibited
Organism	Shigella dysenteriae ATCC 13313
Inoculum	>=10 ³ , Growth : Inhibited

Other Information

Applications

For the differentiation of gram-negative bacteria on the basis of citrate utilization.

Composition	
Ingredients	gm/lt.
Agar	15.00
Sodium chloride	5.00
Sodium citrate	2.00
K ₂ HPO ₄	1.00
(NH ₄)H ₂ PO ₄	1.00

MgSO4.H2O 0.20

Bromothymol Blue 0.08

Directions

1. Add 24.28 gm powder to 1.0 liter of distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. 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

500 Gms Plastic Bottle

Available Packages

100 Gms

500 Gms

Disclaimer

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