



79127

GN Broth, Hajna

Part D

Specifications

Appearance (Colour)	Off white to light tan
Appearance (Form)	Free flowing, homogeneous powder
Solubility	39.00 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
pH (25°C)	7.0 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Light amber
Cultural Response	Inoculate and incubate at 35 ± 2°C for 18-24 hours. Streak on MacConkey agar plates from GN Broth tubes. Incubate plates at 35 ± 2°C for 18-24 hours.
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth in GN Broth : Good Growth on MacConkey agar : Good Colony colour : colourless
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth in GN Broth : Good Growth on MacConkey agar : Good Colony colour : pink to red w/bile precipitate
Organism	Proteus mirabilis ATCC 25933
Inoculum (cfu) 10-100	Growth in GN Broth : Good Growth on MacConkey agar : Good Colony colour : colourless
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth in GN Broth : Good Growth on MacConkey agar : Good Colony colour : colourless
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Growth in GN Broth : Good Growth on MacConkey agar : Good Colony colour : colourless
Organism	Enterococcus faecalis ATCC 19433
Inoculum (cfu) 10-100	Growth in GN Broth : none -poor Growth on MacConkey agar : none - poor Colony colour : pale pink-red

Other Information

Applications

For the selective cultivation of gram negative microorganisms.

Composition

Ingredients

gms/lt.

Pancreatic digest of casein	12.00
Proteose peptone no. 3	8.00
Dextrose	1.00
D-Mannitol	2.00
Sodium citrate	5.00
Sodium deoxycholate	0.50
Dipotassium phosphate	4.00
Monopotassium phosphate	1.50
Sodium chloride	5.00

Directions

1. Add 39.00 gm powder to 1.0 liter of distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Dispense into test tubes or flasks as desired.
4. Autoclave at 10 lbs pressure at 115°C for 15 minutes.
5. Avoid Overheating.

General Information

Storage	8 to 25°C (Cool & Dry Area)
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

Available Packages

100 Gms
500 Gms

Disclaimer

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