



12995

Buffered Peptone Water w/ NaCl

Part D

Specifications

Appearance (Colour)	White to off-white
Appearance (Form)	Free flowing, homogeneous powder
Solubility	16.09 gms/liter
Solubility before autoclaving (Clarity)	Clear
pH (25°C)	7.0 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear without any precipitate
Prepared Medium Appearance after autoclaving (Colour)	Colourless
Cultural Response	Colony characteristics observed after recovery on Soybean Casein Digest Agar (33291) after an incubation at 30-35°C for 18-24 hours for bacteria and Sabouraud Dextrose Agar (28055) at 30-35°C for 24-48 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Recovery within 2 hours incubation : no decrease in colony count Recovery within 4 hours incubation : no decrease in colony count Recovery within 24 hours incubation : no decrease in colony count
Organism	Escherichia coli ATCC 8739
Inoculum (cfu) 10-100	Recovery within 2 hours incubation : no decrease in colony count Recovery within 4 hours incubation : no decrease in colony count Recovery within 24 hours incubation : no decrease in colony count
Organism	Staphylococcus aureus ATCC 25923
Inoculum (cfu) 10-100	Recovery within 2 hours incubation : no decrease in colony count Recovery within 4 hours incubation : no decrease in colony count Recovery within 24 hours incubation : no decrease in colony count
Organism	Staphylococcus aureus ATCC 6538
Inoculum (cfu) 10-100	Recovery within 2 hours incubation : no decrease in colony count Recovery within 4 hours incubation : no decrease in colony count Recovery within 24 hours incubation : no decrease in colony count
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Recovery within 2 hours incubation : no decrease in colony count Recovery within 4 hours incubation : no decrease in colony count Recovery within 24 hours incubation : no decrease in colony count
Organism	Pseudomonas aeruginosa ATCC 9027

Inoculum (cfu) 10-100	Recovery within 2 hours incubation : no decrease in colony count Recovery within 4 hours incubation : no decrease in colony count Recovery within 24 hours incubation : no decrease in colony count
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Recovery within 2 hours incubation : no decrease in colony count Recovery within 4 hours incubation : no decrease in colony count Recovery within 24 hours incubation : no decrease in colony count
Organism	Bacillus subtilis ATCC 6633
Inoculum (cfu) 10-100	Recovery within 2 hours incubation : no decrease in colony count Recovery within 4 hours incubation : no decrease in colony count Recovery within 24 hours incubation : no decrease in colony count
Organism	Candida albicans ATCC 10231
Inoculum (cfu) 10-100	Recovery within 2 hours incubation : no decrease in colony count Recovery within 4 hours incubation : no decrease in colony count Recovery within 24 hours incubation : no decrease in colony count

Other Information

Applications

An isotonic agent recommended for use as a diluent in performing microbial examination of non-sterile products.

Composition

Ingredients	gm/lt.
Peptone	1.0
Potassium Dihydrogen phosphate	3.56
Disodium hydrogen phosphate	7.23
Sodium chloride	4.30

Directions

1. Add 16.09 gm powder to 1.0 liter distilled/purified water and mix thoroughly.
2. If desired ,add 0.1 to 1%w/v Polysorbate 20 or 80.
3. Gently heat and bring to boiling.
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

Disclaimer

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