BI687 **GELATIN PEPTONE**

Specifications

Appearance: Offwhite to light yellow coloured homogenous free flowing powder having characteristic odour but not putrescent.

Formula:

Total nitrogen : >=14%
Amino nitrogen : >= 1.5%
Sodium chloride : <=6.0%
Loss on drying : <= 5%
Residue on ignition : <=16%

Clarity (2% solution) : Clear

pH (2% solution) **:** 6.00 – 7.2

Microbial Load:(CFU/g)

Total aerobic microbial count by plate method when incubated at 30-35 ^{0}c for 48 hours
Bacterial count : NMT 5000

Total Yeast and mold count by plate method when incubated at 20-25 ^{0}c for 120 hours
Yeast and mold count : NMT 250

Test for specific organisms

E.coli : Absent
Salmonella species : Absent
Clostridia species : Absent
Staphylococcus aureus : Absent

Indole Test:

Tryptophan content : Absent

Cultural response:

Cultural response observed after an incubation at 35-37^{0}c for 18-24 hours by preparing MacConkey agar (B236) using Gelatine peptone as an ingredient.

Organism	Growth	Colour of colony
Escherichia coli ATCC 25922	Luxuriant	Pint to red with bile precipitate
Enterobacter aerogenes ATCC 13048	Luxuriant	Pale pink to red
Enterococcusfaecalis ATCC 29212	Fair to good	Colourless to pink
Proteus vulgaris ATCC13315	Luxuriant	Colourless
Salmonella paratyphi A ATCC 9150	Luxuriant	Colourless
Salmonella paratyphi B ATCC 8759	Luxuriant	Colourless

Organism	Growth	Colour of colony
Shigella flexneri ATCC 12022	Fair to good	Colourless
Salmonella enteritidis ATCC13076	Luxuriant	Colourless
Salmonella typhi ATCC 6539	Luxuriant	Colourless
Staphylococcus aureus ATCC 25923	Fair to good	Pale pink to red

Application
As this is characterized by low cystine, tryptophan & carbohydrates, it is used for preparation of Media for fermentation studies, Antibiotic assay media& to supplement tissue culture media.

Precaution
1. For Laboratory Use
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials**.**

Storage : Below 30^0c in cool, dry place.
Packing : 500 g.