

BI707**Peptone bacteriological****Specifications****Appearance:** Pale yellow to light brown homogenous free flowing powder with characteristic meat like odour.**Formula**

Total Nitrogen	: >= 13.50%
α – Amino nitrogen	: >= 3.00%
Loss on drying	: <= 5.0%
Residue on ignition	: <= 15 %
Sodium chloride	: <= 5.0%

Clarity (2% solution) : Clear

pH (2% solution) : 5.8 – 7.0

Microbial Load:(CFU/g)

Total aerobic microbial count by plate method when incubated at 30-35 °C for 48 hours

Bacterial count: NMT 5000

Total Yeast and mold count by plate method when incubated at 20-25 °C for 120 hours

Yeast and mold count: NMT 250**Test for specific organisms**

E. coli	: Absent
Salmonella species	: Absent
Pseudomonas aeruginosa	: Absent
Staphylococcus aureus	: Absent

Bacteriological testing

Indole test: Tryptophan content: Passes

H₂S test: Passes**Cultural Response:** Cultural response observed after incubation at 35 - 37°C for 18-48 hours by preparing Nutrient Agar (B550), using Peptone Bacteriological as an ingredient.

MICROORGANISM (ATCC)	GROWTH
Escherichia coli (25922)	Good – luxuriant
Pseudomonas aeruginosa (27853)	Good – luxuriant
Staphylococcus aureus (25923)	Good – luxuriant
Streptococcus pyogenes (19615)	Good – luxuriant
Salmonella Typhi (6539)	Good – luxuriant
Salmonella Enteritidis (13076)	Good – luxuriant
Salmonella Typhimurium (14028)	Good – luxuriant
Yersinia enterocolitica (9610)	Good – luxuriant
Yersinia enterocolitica (23715)	Good – luxuriant

Applications:

For preparation of Nutrient media, Diagnostic media, General laboratory media and for commercial production of enzymes, vaccines, antibiotics, and other products

Precaution:

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

Storage: Below 30°C in cool, dry place.**Packing:** 500 g / 100 g

Refer disclaimer Overleaf

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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