

BACTERIOLOGICAL PEPTONE

BACP-00P-500

- Principle**

Bacteriological Peptone is a high-quality hydrolysate produced by the enzymatic digestion of animal tissues. Enzymatic digestion produces amino acids, including essential amino acids and peptides, the enzymes normally used are trypsin and pepsin.

It is widely used in culture media and has been used extensively in the production of toxins, vaccines and other biological products.

- Regulatory compliance**

This product is manufactured under a quality management system in accordance with ISO 9001 and ISO 13485, and its formulation and quality control comply with applicable international standards, such as ISO 11133, where relevant.

- Physical-chemical characteristics**

Description	Specification
Amino nitrogen (AN)	>2.70 %
Total nitrogen (TN)	>10.00 %
Loss on drying	<6 %
AN/TN Ratio	N/A
Ash	<15 %
pH (2% solution)	6.5-7.5

- Elemental profile**

Element	Value
Calcium	0.018 %
Potassium	1.10 %
Sodium	0.97 %
Magnesium	0.01 %

- Amino acids**

Amino acid	Total (g/100g)
Arginine	7.16
Aspartic acid	6.34
Cystine	0.13
Glutamic acid	9.58
Histidine	0.89
Methionine	0.85
Valine	2.31
Glycine	20.6
Tryptophan	0.06

Alanine	7.89
Lysine	3.61
Tyrosine	0.71
Leucine	2.84
Phenylalanine	1.88
Serine	3.45
Isoleucine	2.63
Proline	11.46
Threonine	1.87

- **Growth supporting properties**

Description	Value
Peptone agar	Good

- **Microbiological test**

Microorganisms	Results
Coliforms	Negative
<i>Salmonella</i> spp	Negative
Yeasts and moulds	<100 CFU/g
Standard plate count	<5.000 CFU/g

- **Storage**

The product is highly hygroscopic; keep the container always closed and store it properly as per the conditions mentioned on the label. The declared expiry is valid only when stored as per the conditions mentioned on the label. Temp. Min.:2 °C Temp. Max.:25 °C.

Note: Sterilize media immediately after reconstitution.

- **Product use limitation**

This product is developed, designed and supplied exclusively for research use only. It is not intended for diagnostic applications or drug development, and it is not suitable for administration to humans or animals.