

## Bacteriological Peptone

#GCM22.0500 (500g)  
 (FOR RESEARCH ONLY)



**Product:** Bacteriological peptone is the product of an enzymatic digestion (by trypsin and pepsin) of animal tissues, and as such composed of a mixture of amino acids, including essential amino acids, and low molecular weight peptides. It is widely used as a supplement for microbiological culture media, as it serves as a nutritious hydrolysate.

**Quantity:** 500g

### Typical amino acid composition (g/100g)

Alanine:	7.95	Arginine:	7.21	Aspartic Acid:	6.42
Cystine:	0.14	Glutamic acid:	9.93	Glycine:	20.71
Histidine:	0.93	Isoleucine:	1.41	Leucine:	3.02
Lysine:	3.69	Methionine:	0.92	Phenylalanine:	1.94
Proline:	11.71	Serine:	3.51	Threonine:	1.90
Tryptophan:	0.09	Tyrosine:	0.75	Valine:	2.40

### Chemical Characteristics:

Amino Nitrogen:	min: 2.7%
Total Nitrogen:	min: 10%
Loss on drying:	max 6%
Ash content:	max 15%
Reducing Sugars:	negative
Undigested Protein:	negative
Proteoses:	negative
Nitrites:	negative
Tryptophan:	negative
pH (2%)	7.0±0.5

**Appearance:** Clear Beige powder.

**Storage:** 2°C – 25°C. When not in use, keep container closed to avoid hydration.