

**Peptone**  
 #GCM21.0500 (500g)  
 (FOR RESEARCH ONLY)



**Product:** Peptone is a pancreatic digest of casein and as such composed of a balanced mixture of amino acids, including essential amino acids, and low molecular weight peptides. It can be used as a supplement for microbiological culture media, for the production of vaccines, toxins, enzymes and other proteins in fermentation processes. It serves as a nutritious hydrolysate, especially for organisms that prefer peptides over amino acids.

**Quantity:** 500g

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

Alanine:	2.91	Arginine:	3.30	Aspartic Acid:	6.99
Cystine:	0.44	Glutamic acid:	18.74	Glycine:	1.86
Histidine:	2.38	Isoleucine:	4.45	Leucine:	7.62
Lysine:	6.60	Methionine:	2.32	Phenylalanine:	4.11
Proline:	8.65	Serine:	5.08	Threonine:	3.91
Tryptophan:	0.95	Tyrosine:	1.86	Valine:	5.51

**Chemical Characteristics:**

Amino Nitrogen:	min: 3.9%
Total Nitrogen:	min: 10%
Loss on drying:	max 6%
Ash content:	max 15%
Reducing Sugars:	negative
Undigested Protein:	negative
Proteoses:	positive
Nitrites:	negative
Tryptophan:	positive
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.