

## Tryptone

#GCM23.0500 (500g)  
 (FOR RESEARCH ONLY)



**Product:** Tryptone is a pancreatic digest of casein and as such composed of a mixture of amino acids, including essential amino acids, and larger peptides. It is widely used as a supplement for microbiological culture media, as the hydrolysate is an excellent nutrient.

**Quantity:** 500g

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

Alanine:	2.87	Arginine:	3.31	Aspartic Acid:	6.52
Cystine:	0.40	Glutamic acid:	18.70	Glycine:	1.79
Histidine:	2.29	Isoleucine:	4.48	Leucine:	7.63
Lysine:	6.51	Methionine:	2.35	Phenylalanine:	4.09
Proline:	8.65	Serine:	5.08	Threonine:	3.91
Tryptophan:	1.05	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.