TRYPTONE

TRYN-00P-500

- **Principle**

Tryptone is a pancreatic digest of casein containing all amino acids found in casein as well as larger peptide fractions. This product is recommended for preparing media where enzymatic hydrolysed casein is desired. It is an excellent nutrient for use in culture media for producing antibiotics, toxins, enzymes and other biological products. This product is widely used in the pharmaceutical and veterinary industries and the diagnostic culture media industry.

- **Physical-chemical characteristics**

Description	Specification	Typical Analysis
Amino nitrogen (AN)	>3.9%	4.20%
Total nitrogen (TN)	>10.0%	13.13%
Loss on drying	<6%	3.30%
AN/TN Ratio	N/A	32%
Ash	<15%	6%
pH (2% solution)	6.5-7.5	6.8

- **Elemental profile**

Element	Value
Calcium	0.02%
Magnesium	0.01%
Sodium	2.10%
Potassium	0.95%

- **Amino acids**

Amino acid	Total (g/100g)
Alanine	2.87
Arginine	3.31
Aspartic acid	6.52
Cystine	0.40
Glutamic acid	18.70
Glycine	1.79
Isoleucine	4.48
Proline	8.65
Serine	5.08
Threonine	3.91
Tryptophan	1.05
Tyrosine	1.86
Valine	5.51
Lysine	6.51

Methionine	2.35
Histidine	2.29
Leucine	7.63
Phenylalanine	4.09

- **Microbiological test**

Description	Specification
Salmonella	Negative
Coliforms	Negative
Standard plate count	<5,000 CFU/g
Yeasts and moulds	<100 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.