

Tryptone

Cat. No. MM-M-612

Pancreatic digest of casein, source of amino acids and peptides for the elaboration of culture media.

Principles and uses:

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 hydrolyzed 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

Description	Value
Calcium	0.019%
Magnesium	0.0065%
Sodium	2.10%
Potassium	0.95%

Amino Acids

	Total (g/100g)		Total (g/100g)		Total (g/100g)
Alanine	2.87	Isoleucine	4.48	Valine	5.51
Arginina	3.31	Proline	8.65	Lysine	6.51
Aspartic acid	6.52	Serine	5.08	Methionine	2.35
Cystine	0.40	Threonine	3.91	Histidine	2.29
Glutamic acid	18.70	Tryptophan	1.05	Leucine	7.63
Glycine	1.79	Tyrosine	1.86	Phenylalanine	4.09

Growth supporting properties

Description	Value
Peptone agar	Good

Technical Data Sheet

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Microbiological test:

<u>Description</u>	<u>Specification</u>
Salmonella	Negative
Coliforms	Negative
Standard plate count	<5.000 CFU/g
Yeasts and molds	<100 CFU/g

Storage:

Temperature: 2°C - 25°C

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