



PRODUCT INFORMATION

Tryptone (Casein Peptone Type I) Bacteriological grade

Cat# T01PD-500 (Former Cat# P004-1001)

Cat# T01PD-10K

Tryptone (Casein Peptone Type I) is a pancreatic digest of casein containing all the amino acids found in casein as well as larger peptide fractions. 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 in diagnostic culture media.

Chemical characteristics

Amino Nitrogen (AN)
Total Nitrogen (TN)
AN/TN Ratio
Loss on drying
Ash
pH (2% solution)

Specifications

Minimum 3.9 %
Minimum 10%
N/A
Maximum 6%
Maximum 15%
6.5 – 7.5

Typical analysis

4.2 %
13.13 %
32.0 %
3.3 %
6.0 %
6.8

Elemental profile

Calcium
Magnesium
Potassium
Sodium

0.019 %
0.0079 %
1.3 %
2.1 %

Amino acids Total (g/100g)

Alanine
Arginine
Aspartic acid
Cystine
Glutamic acid
Glycine
Histidine
Isoleucine
Leucine
Lysine
Methionine
Phenylalanine
Proline
Serine
Threonine
Tryptophan
Tyrosine
Valine

2.91
3.30
6.99
0.44
18.74
1.86
2.38
4.45
7.62
6.60
2.32
4.11
8.65
5.08
3.91
0.95
1.86
5.51

Growth supporting properties

Peptone agar

Satisfactory

Microbiological analysis

Standard plate
Yeasts and molds
Coliforms
Salmonella

count Less than 5000 col/g
Less than 100 col/g
Negative
Negative