

BACTERIOLOGICAL PEPTONE
CAT N°:1616

Ingredients (Peptones)

DESCRIPTION

BACTERIOLOGICAL PEPTONE is a high quality hydrolysate produced by the enzymatic digestion of animal tissues. Enzymatic digestion produces amino acids, including essential amino acids and peptides, the enzymes normally used are trypsin and pepsin. It is widely used in culture media and has been used extensively in the production of toxins, vaccines and other biological products.

CHEMICAL CHARACTERISTICS

	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 2.6%	3.00%
Total Nitrogen (TN)	Minimum 12%	15.55%
AN/TN Ratio		19.20%
Loss on drying	Maximum 6.0%	3.20%
Ash	Maximum 15%	4.70%
pH (2% solution)	6.5 – 7.5	6.90

ELEMENTAL PROFILE

	TYPICAL ANALYSIS
Calcium	0.023%
Magnesium	0.013%
Potassium	0.25%
Sodium	1.40%

AMINO ACIDS

Total (g/1 00g)		Total (g/1 00g)		Total (g/1 00g)	
Alanine	7.95	Histidine	0.93	Proline	11.71
Arginine	7.21	Isoleucine	1.41	Serine	3.51
Aspartic acid	6.42	Leucine	3.02	Threonine	1.90
Cystine	0.14	Lysine	3.69	Tryptophan	0.09
Glutamic acid	9.93	Methionine	0.92	Tyrosine	0.75
Glycine	20.71	Phenylalanine	1.94	Valine	2.40

GROWTH SUPPORTING PROPERTIES

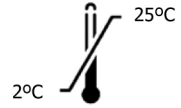
Peptone Agar	Good
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MICROBIOLOGICAL TEST

Standard plate count	Less than 5000 col/g
Yeasts and molds	Less than 100 col/g
Coliforms	Negative

STORAGE

Once opened keep powdered medium closed to avoid hydration.



Store the sealed bottle containing the dehydrated bacteriological peptone at 2 to 25°C. Once opened and recapped, place the container at the same storage temperature protected from moisture and light. The dehydrated bacteriological peptone should be homogeneous, free flowing and clear beige in color. If there are any changes physically, discard the product.