

## BACTERIOLOGICAL PEPTONE

CAT. N°: 144

### DESCRIPTION:

This is a high quality hydrolysate produced by enzymatic digestion of animal tissues. It is widely used in culture media and has been used extensively in the manufacture of toxins, vaccines and other biological products.

### CHEMICAL CHARACTERISTICS

### SPECIFICATIONS

### TYPICAL ANALYSIS

CHEMICAL CHARACTERISTICS	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 2.6%	3.0%
Total Nitrogen (TN)	Minimum 12.0%	15.55%
AN/TN Ratio	N/A	19.2%
Loss on drying	Maximum 6.0%	3.2%
Ash	Maximum 15.0%	4.7%
pH (2% solution)	6.5 - 7.5	6.9

### ELEMENTAL PROFILE

Calcium	0.023%
Magnesium	0.013%
Potassium	0.25%
Sodium	1.4%

### AMINO ACIDS

### TOTAL g/100 g

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

### GROWTH SUPPORTING PROPERTIES

Peptone agar	Satisfactory
--------------	--------------

### MICROBIOLOGICAL ANALYSIS

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