

PRODUCT CODE: 403695

## Peptone, Bacteriological (Ingredient) for microbiology

### 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

See specifications on Data Sheet (TDS).

### Elemental profile

	Typical analysis
Calcium	0.023%
Magnesium	0.013%
Potassium	0.25%
Sodium	1.40%

### Amino acids

	Total (g/100g)		Total (g/100g)		Total (g/100g)
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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### Storage

Once opened keep powdered medium closed to avoid hydration.

1. *Avoid getting wet.*
2. *Avoid exposure to sunlight.*
3. *Keep within the temperature range (2 – 25°C).*

The dehydrated bacteriological peptone should be homogeneous, free flowing and clear beige in color. If there are any changes physically, discard the product.

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