

CASEIN PEPTONE

Mix of peptides, free amino acids and growth factors

PHYSIO-CHEMICAL CHARACTERISTICS

	Standard
Solubility in water at 5%	Complete
pH (5 % solution)	6.5 – 7.5
Loss on drying	≤ 6.0 %
Total nitrogen TN	12.5 – 13.5 %
α-amino nitrogen AN	3.0 – 13.5 %
AN/TN x 100	22 – 33
Residue on ignition	≤ 16.0 %
Chloride (as NaCl)	≤ 6.0 %
Average molecular weight	491 daltons

DESCRIPTION

CASEIN PEPTONE is a mix of peptides, free amino acids and growth factors.

PRINCIPLE

CASEIN PEPTONE is a source of nitrogen and growth factors manufactured by a controlled enzymatic hydrolysis of casein. It is recommended in media for analytical microbiology and industrial fermentation.

TECHNIQUE

CASEIN PEPTONE can be used as an ingredient of dehydrated media and need dissolution in distilled or deionized water and sterilization by autoclaving.

STORAGE

CASEIN PEPTONE is very hygroscopic: store at 10-30°C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for in vitro diagnostic use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.



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PRODUCT SPECIFICATIONS

NAME

CASEIN PEPTONE

PRESENTATION

Dehydrated powder

STORAGE

10-30°C

PACKAGING

Ref.	Content	Packaging
611502	500 g	500 g of powder in plastic bottle
621502	100 g	100 g of powder in plastic bottle

pH OF THE MEDIUM

7.0 ± 0.5

USE

CASEIN PEPTONE is a mix of peptides, free amino acids and growth factors recommended in media for analytical microbiology and industrial fermentation

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE

Homogeneous white amber powder

SHELF LIFE

5 years










QUALITY CONTROL

- Control of general characteristics, label and print
- Microbiological control

Standard

Total aerobic microbial count	≤ 10000 per g
Coliforms	≤ 10 per g
Escherichia coli	Absence in 10 g
Salmonella	Absence in 25 g
Staphylococcus aureus	Absence in 10 g
Yeast and moulds	≤ 20 per g

TABLE OF SYMBOLS

 LOT	Batch code	 IVD	<i>In vitro</i> Diagnostic Medical Device	 Manufacturer	 Use by	 Keep away from heat sources
 REF	Catalogue number		Temperature limitation		Contains sufficient for <n> tests	 Caution, consult instructions for use



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