

Proteose Peptone

Cat. No.: P1522320 | Pack size: 250 g | Storage: Room temperature

Overview

Proteose Peptone is a special peptone prepared from protein mixtures. This product contains proteose intermediates, which are obtained through precisely controlled production conditions. Meanwhile, the product is rich in high-molecular-weight peptides, with high contents of alanine, aspartic acid, glycine and phenylalanine, as well as high levels of B-complex vitamins, pantothenic acid and riboflavin. Proteose peptone is specially used in media for *Corynebacterium diphtheriae* toxin production, including the electrode reaction identification of toxigenic strains. The medium is also suitable for toxin production by *Staphylococcus*, *Clostridium* and *Salmonella*. Media containing this peptone can provide abundant nutrients for the growth of various microorganisms, such as *Neisseria*, *Staphylococcus*, *Haemophilus*, *Salmonella*, *Pasteurella*, *Corynebacterium*, *Histoplasma* and others. This peptone can also be used in the production of pertussis vaccines and measles vaccines.

Directions for Use

As a culture medium raw material, fully dissolve it and use after sterilization.

Conventional Physical and Chemical Indicators

Organoleptic Indicators

Item	Requirements
Form	Powdered, no caking
Color	Light yellow or brown powder
Odor	Characteristic odor of the product, no other off-odors
Impurities	No visible foreign impurities under normal vision

Physical and Chemical Indicators

Item	Reagent Grade
Total Nitrogen (dry basis), %	≥12.5%

Item	Reagent Grade
Amino Nitrogen (dry basis), %	≥2.5%
Ash (dry basis) %	≤10.0%
Moisture %	≤7.0%
Nitrate & Alkaline Autoclave Test	Clear
Transparency (2% aqueous solution)	Clear

Specifications

Attribute	Value
Synonyms	Proteose Proteose Peptone Powder
Specifications & Purity	BioReagent, Suitable for microbiology
Stability And Storage	Store at room temperature long term (36 months).
Storage Conditions	Room temperature
Shipped In	Normal

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office for your region; for general inquiries, the North American office is the corporate primary.

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Limitations & Disclaimer

- For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.
- This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to verified businesses, institutions, and qualified professionals for research and development purposes.
- Where any kit component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for handling, storage, and disposal information.
- Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the kit for their specific application.
- Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document would be reviewed and reissued.