

Peptone From Casein

Cat. No.: P1522318 | Pack size: 250 g | Storage: Room temperature

Overview

Casein Peptone (known as Tryptone overseas) is a slightly yellow dry powder refined from high-quality casein via tryptic hydrolysis. It is used for sterility testing. As a medium component, casein peptone is also applied in fermentation processes for the production of antibiotics, extracellular proteins, interferons, diphtheria toxoid and other products.

Directions for Use

Used for microbial fermentation. Dissolve completely and sterilize before use.

Conventional Physical and Chemical Indicators

Organoleptic Indicators

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

Physical and Chemical Indicators

Item	Biochemical grade	Reagent grade
Total Nitrogen (dry basis), %	≥8.0%	≥12.0%
Amino Nitrogen (dry basis), %	≥2.5%	≥3.0%
Ash (dry basis) %	≤10.0%	≤10.0%
Chloride, %	—	≤2.5%
Moisture %	≤6.0%	≤6.0%

Item	Biochemical grade	Reagent grade
pH (2% aqueous solution)	5.0-8.0	—
Nitrate and alkaline autoclave test	—	Clear
Transparency (2% aqueous solution)	—	Clear

Specifications

Attribute	Value
Synonyms	Casein Peptone
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.