
Artificial Gastric Fluid (USP, Enzyme-free, Sterile)

Cat. No.: A1509638 | Pack size: 500 mL | Storage: Room temperature

Overview

Artificial Gastric Fluid is a solution that mimics the composition and pH of gastric juice. Artificial Gastric Fluid (USP) follows the formulation specified in the United States Pharmacopeia (USP) and is primarily composed of sodium chloride, dilute acid, pepsin, and other components.

Artificial Gastric Fluid (USP, Enzyme-Free, Sterile) consists mainly of dilute acid, salts, and deionized water. It contains no pepsin and is sterilized. This reagent is suitable for testing capsules, enteric-coated tablets, dripping pills, and especially for soft capsules and dripping pills with a gelatin matrix. For research use only. Not for clinical diagnosis or other purposes.

Operating Procedures (For Reference Only)

1. For the testing of capsules, enteric-coated tablets, dropping pills and other preparations, a lifting disintegration tester is generally used. This instrument is mainly composed of a metal support and a basket equipped with baffles.
2. Immerse 6 units of the test capsules, enteric-coated tablets or dropping pills in the artificial gastric fluid. All samples should disintegrate completely within 1 hour. If 1 unit fails to disintegrate fully, another 6 units shall be taken for retesting, and all retested samples must meet the requirements.
3. For other types of experiments, operations shall be performed in accordance with the specific experimental requirements.

Precautions

1. This product is a sterile solution. If sterility is required for the experiment, strict adherence to aseptic techniques is necessary during operation.
2. Avoid repeated freezing and thawing of the reagent to prevent the reduction of its effectiveness.
3. Please use the reagent as soon as possible after opening to avoid affecting the results of subsequent experiments.
4. For your safety and health, please wear a lab coat and disposable gloves during the operation.

Specifications

Attribute	Value
Synonyms	Artificial Gastric Fluid Simulated Gastric Fluid
Specifications & Purity	BioReagent, Protease Free, sterile
Stability And Storage	Store at room temperature long term (12 months).
Storage Conditions	Room temperature
Shipped In	Normal
Grade	BioReagent, Protease Free, sterile

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 this product 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.



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Product Instructions
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