
Artificial Gastric Fluid (USP, Sterile)

Cat. No.: A1509636 | Pack size: 500 mL | Storage: Store at -20°C

Overview

Artificial Gastric Fluid (USP, Sterile) is a solution formulated to mimic the composition and pH value of natural gastric fluid, complying with the specifications of the United States Pharmacopeia. It is mainly composed of sodium chloride, dilute acid, pepsin, etc., and undergoes sterile processing. This reagent is applicable for the testing of capsules, enteric-coated tablets, dropping pills and other preparations, and is particularly suitable for the testing of soft capsules and dropping pills with gelatin as the matrix. It is for research use only and not intended for clinical diagnosis or any other applications.

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, which 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. They should disintegrate completely within 1 hour. If 1 unit fails to disintegrate fully, another 6 units shall be taken for retesting, and all of the retested samples must meet the requirements.
3. For other types of experiments, the operation shall be performed in accordance with the specific experimental requirements.

Precautions

1. Artificial Gastric Fluid (USP, Sterile) is a sterile solution. If sterility is required for the experiment, aseptic techniques shall be strictly followed during operation.
2. Avoid repeated freezing and thawing of Artificial Gastric Fluid (USP, Sterile) to prevent the decrease 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, sterile
Storage Conditions	Store at -20°C
Shipped In	Ice chest + Ice pads This product requires cold chain shipping. Ground and other economy services are not available.
Grade	BioReagent, 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.
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