

Sodium Metabisulfite Solution (100×)

Cat. No.: P1518358 | Pack size: 10 mL | Storage: Protected from light, -20°C

Overview

Protease inhibitors can bind to specific groups in the active centers of protease molecules, reducing or eliminating protease activity without denaturing the proteins. This effectively inhibits protein degradation and maintains interactions between native proteins. Common protease inhibitors include EDTA, E-64, NaVO₃, Bestatin, Leupeptin, Pepstatin A, Aprotinin, etc.

The Sodium Metabisulfite Solution (100×) is primarily composed of sodium pyrosulfite (Sodium Metabisulfite). It is EDTA-free and provided as a 100× concentrated solution. It is suitable for protein extraction from mammalian tissues and cells, facilitating efficient obtainment of target proteins. The extracted products can be used in subsequent experiments such as Western Blot, Co-Immunoprecipitation (Co-IP), etc.

This reagent is for research use only. Not for use in diagnostic procedures or other purposes.

Procedure (For Reference Only)

1. Briefly centrifuge the tube before opening to spin down any liquid adhering to the walls or cap.
2. During use, add the Sodium Metabisulfite Solution (100×) to the required volume of Lysis Buffer to achieve a final concentration of 1× (e.g., add 10 µL of 100× solution per 1 mL of Lysis Buffer).

Notes

- The Sodium Metabisulfite Solution (100×) is mildly irritating. Handle with care and avoid repeated freezing and thawing.
- For your safety and health, please wear laboratory appropriate attire and disposable gloves while handling reagents.
- Use the reagent as soon as possible after opening to ensure optimal performance.

Specifications

Attribute	Value
Synonyms	Sodium Pyrosulfite Solution (100×)
Specifications & Purity	BioReagent, 100×

Attribute	Value
Stability And Storage	Store at -20°C long term (12 months). Avoid freeze/thaw cycle. Store in the dark.
Storage Conditions	Protected from light, Store at -20°C
Shipped In	Ice chest + Ice pads. This product requires cold chain shipping. Ground and other economy services are not available.

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 product for their specific application.



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Product Instructions
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