

Formamide RNA Loading Buffer (10×)

Cat. No.: F1518788 | Pack size: 5 mL | Storage: Store at 2-8°C; protected from light

Overview

Formamide Loading Buffer (10×) is a 10-fold concentrated loading buffer specifically designed for RNA electrophoresis. It is primarily composed of deionized formamide, bromophenol blue, EDTA, and other components, with bromophenol blue serving as the electrophoresis tracking dye. When diluted to 1×, the buffer has a relatively high density, allowing samples to quickly settle into the wells, resulting in clear and easily observable electrophoretic band migration. For use, simply mix the sample with the buffer; no further dilution is required. For research use only. Not for use in diagnostic procedures or other purposes.

Procedure (For Reference Only)

- Mix the RNA sample with Formamide Loading Buffer (10×) at a ratio of 1:9.
- Directly load the mixture into the wells of a denaturing RNA gel for electrophoresis.

Notes

- If the single-use volume is small, it is recommended to aliquot the reagent before use to reduce the risk of contamination.
- Strictly avoid RNase contamination throughout the entire experimental procedure.
- Please wear laboratory appropriate attire and disposable gloves during operation to ensure experimental safety.
- Use the reagent as soon as possible after opening and keep it sealed to avoid affecting experimental results.

Specifications

Attribute	Value
Synonyms	10× RNA Loading Buffer 10× RNA Loading Dye 10× RNA Sample Loading Buffer 10× RNA Gel Loading Buffer
Specifications & Purity	BioReagent, Suitable for molecular biology, for NA electrophoresis, 10×
Stability And Storage	Store at 2-8°C long term (12 months). Store in the dark.
Storage Conditions	Store at 2-8°C, Protected from light
Shipped In	Wet ice. This product requires cold chain shipping. Ground and other economy services are not available.

Attribute	Value
Grade	BioReagent, for NA electrophoresis, Suitable for molecular biology
Sensitivity	Light-sensitive

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.

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, transportation, disposal, and emergency procedures.

Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the product 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 must be revalidated before use.