

PCR Amplification Buffer (10×, pH 8.3)

Cat. No.: P1518365 | Pack size: 10 mL | Storage: -20°C; avoid repeated freezing and thawing

Overview

PCR Amplification Buffer (10×, pH 8.3) is a core auxiliary reagent for the Polymerase Chain Reaction (PCR). It provides a stable pH environment and necessary ionic conditions for the PCR reaction, ensures the activity of Taq DNA polymerase and other PCR-related enzymes, promotes the specific binding of primers to template DNA, and thereby facilitates the efficient amplification of target fragments.

The main components of this product include 100 mM Tris-HCl buffer (pH 8.3), 15 mM Mg²⁺, and 500 mM KCl, among others.

Procedure (For Reference Only)

1. Operate according to the specific requirements of the experiment.
2. PCR Amplification Buffer (10×, pH 8.3) should be used at a working concentration of 1×.

Notes

- To avoid a decrease in amplification efficiency, repeated freezing and thawing should be avoided.
- Prevent microbial contamination.
- For your safety and health, please wear a lab coat and disposable gloves during operation.
- This product is for research use only and is strictly prohibited for other purposes.

Specifications

Attribute	Value
Synonyms	PCR Reaction Buffer (10×, pH 8.3)
Specifications & Purity	BioReagent, PCR Reagent, sterile, 10×
Stability And Storage	Store at -20°C long term (12 months). Avoid freeze/thaw cycle.
Storage Conditions	Store at -20°C, Avoid repeated freezing and thawing

Attribute	Value
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.

<p>NORTH AMERICAN SALES, SUPPORT & GENERAL INQUIRIES</p> <p>Aladdin Scientific Corporation</p> <p>14078 Meridian Parkway, Riverside, CA 92518, USA</p> <p>Phone: 1-833-552-7181</p> <p>Sales: sales@aladdinsci.com</p> <p>Customer Service: custserv@aladdinsci.com</p>	<p>EU SALES, LOGISTICS & LOCALIZED SUPPORT</p> <p>Aladdin Biochem Deutschland GmbH</p> <p>Westring 2, 33142 Büren, Germany</p> <p>Phone: +02951 9383958</p> <p>Support: support.eu@aladdinsci.com</p>
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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.
- 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.