

Tris-Maleate Buffer (0.2 mol/L, pH 6.5)

Cat. No.: T1508996 | Pack size: 100 mL, 500 mL | Storage: Room temperature

Overview

Tris is a weak base with the molecular formula $C_4H_{11}NO_3$ and a relative molecular weight of 121.14. Its pKa is 8.1 at 25 °C, and the effective buffering range of Tris buffer is pH 7.0–9.2. Maleic acid, also known as cis-butenedioic acid, is a dicarboxylic acid with the molecular formula $C_4H_4O_4$, a molecular weight of 116.07 and a CAS number of 110-16-7. Tris combined with maleic acid is used as a buffer for immunohistochemistry.

Tris-Maleate Buffer (0.2 mol/L, pH 6.5) is prepared from 0.2 M Tris, 0.2 M maleic acid, deionized water and other components, and is commonly used in immunohistochemistry experiments.

Operating Procedures (For Reference Only)

Operate in accordance with the specific requirements of the experiment.

Precautions

1. It is irritating to the human body; please take appropriate protective measures.
2. For your safety and health, wear a lab coat and disposable gloves during operation.
3. This product is for research use only and shall not be used for any other purposes.

Specifications

Attribute	Value
Synonyms	Tris-Maleate Buffer
Specifications & Purity	BioReagent, for microscopy, Suitable for Immunohistochemistry(IHC), 0.2 mol/L
Stability And Storage	Store at room temperature long term (12 months).
Storage Conditions	Room temperature
Shipped In	Normal

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.

NORTH AMERICAN SALES, SUPPORT & GENERAL INQUIRIES

Aladdin Scientific Corporation

14078 Meridian Parkway, Riverside, CA 92518, USA

Phone: 1-833-552-7181

Sales: sales@aladdinsci.com

Customer Service: custserv@aladdinsci.com

EU SALES, LOGISTICS & LOCALIZED SUPPORT

Aladdin Biochem Deutschland GmbH

Westring 2, 33142 Büren, Germany

Phone: +02951 9383958

Support: support.eu@aladdinsci.com

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 kit 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 reviewed and reissued.