

Lactose solution (20%, Sterile-Filtered)

Cat. No.: L1524588 | Pack size: 100 mL; 200 mL | Storage: Room temperature

Overview

Lactose can serve as a carbon source for microorganisms. This product is sterilized by filtration through a 0.22 µm membrane and may be directly added to culture media for use.

Product Composition:

Product Name	Product Component	Molecular Formula/CAS No./Molecular Weight	Formula per Liter	Sterilization Method
Lactose Solution (20%, Sterile-Filtered)	Lactose	C ₁₂ H ₂₂ O ₁₁ /63-42-3/342.30	200 g	0.22µm Filtration

Precautions:

1. Unopened sugar solution can be stored at room temperature for 1 year. For long-term preservation, storage at -20 °C is recommended. Discontinue use if contamination is observed after opening.
2. Lactose cannot be sterilized under high temperature conditions.

Specifications

Attribute	Value
Specifications & Purity	Sterile-filtered, BioReagent, for Microscopy, 20% (w/v) in water
Stability And Storage	Store at room temperature long term (12 months).
Storage	Room temperature
Shipped In	Normal
Grade	BioReagent, for Microscopy, Sterile-filtered

Names and Identifiers

Attribute	Value
CAS No.	63-42-3
EC Number	200-559-2
Beilstein Registry Number	93796
Isomeric SMILES	<chem>C([C@@H]1[C@@H]([C@@H]([C@H]([C@@H](O1)O[C@@H]2[C@H](O[C@H]([C@@H]([C@H]2O)O)O)CO)O)O)O</chem>
WGK Germany	2
Alternate CAS	64044-51-5
Molecular Weight	342.30
Beilstein	93796

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 would be reviewed and reissued.