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Datasheet for MB-002

1.0 M Tris HCl pH 7.4

Overview

Description:	1.0 M Tris HCl pH 7.4 - MB-002
Item No.:	MB-002
Size:	1 L

Product Details

Background:	Tris is extensively used in biochemistry and molecular biology. In biochemistry, Tris is widely used as a component of additional buffer solutions, such as in TAE and TBE buffer, especially for solutions of nucleic acids. Tris HCl solution (tris(hydroxymethyl)aminomethane hydrochloride) is useful for stabilization of buffer formulations and electrophoresis of biological molecules. Visit our newly expanded web site at www.rockland.com for methods using this and other buffers.
Synonyms:	Tris HCl buffer, Tris hydrochloride solution, tris(hydroxymethyl)aminomethane hydrochloride

Target Details

Purity/Specificity:	This product was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.
Relevant Links:	• MB-002 SDS

Application Details

Application Note:	Tris HCl solution is suitable for molecular immunology, molecular biology and nucleic acid methodologies, when applicable. This buffer consists of 1.0 M Tris HCl at pH 7.4. This product is a concentrated stock solution and should be diluted appropriately with distilled, deionized water or equivalent to its final working concentration. Meticulously prepared using ultra pure reagents dissolved in highly polished pharmaceutical grade (WFI) water.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 M
Buffer:	See application note.
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store container at room temperature (18° to 26° C) prior to opening. If desired, the solution may be stored at 4° C or less. Some salts may precipitate out of solution at lower temperature. Allow buffer to equilibrate to room temperature (18° to 26° C) to restore solubility of some salts.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Bottle
1.0 M Tris HCl pH 7.4

References

- Sychla A et al. An RNA Language Model trained on sequence alone reveals the structural logic of Internal Ribosome Entry Sites. *bioRxiv [Preprint].* (2026)
- Li H et al. Spatially resolved genome-wide joint profiling of epigenome and transcriptome with spatial-ATAC-RNA-seq and spatial-CUT&Tag-RNA-seq. *Nat Protoc.* (2025)

Disclaimer

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