

1M Magnesium Chloride (Molecular Biology Grade)

Catalog #: 351-033-721EA 100mL
351-033-721 4 x 100mL

Store at: 15°C to 30°C
Shipped at: ambient temperature

Description

Quality Biological's (QBI) Magnesium Chloride 1M is prepared from ACS Grade magnesium chloride ($\text{MgCl}_2 \bullet 6\text{H}_2\text{O}$) using Quality Biological's Molecular Biology Grade (MBG) Water. The final product is passed through a 0.2 μm filter and sterilized.

Applications

- Magnesium Stock Solution for either SOB or SOC.¹

SOB Medium Preparation

Add 20mL of 1M Magnesium Chloride per 1 liter of SOB Medium. The final concentration is 20mM magnesium chloride.

SOC Medium Preparation

Add 20mL of 1M Magnesium Chloride per 1 liter of SOC Medium. The final concentration is 20mM magnesium chloride.

Quality Control

General

All Quality Biological products for Molecular Biology are prepared according to standard published protocols.^{1,2} All products are subjected to a variety of quality control procedures, including pH and osmolality determinations in order to validate the product is within its specifications.

The test results of individual lots of YT Medium (2X) are available on the Quality Biological website.

References

1. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, A Laboratory Manual*, 2nd Ed. Cold Spring Harbor Laboratory Press.

Related Products

SOC Medium

Catalog #	340-031-072EA	10mL
	340-031-671	10 x 10mL

All products sold by Quality Biological, Inc. are intended for research use only. This product has not been approved for diagnostic or IVD use.