



Technical Information

Products for Molecular Biology

1M Magnesium Chloride (Molecular Biology Grade)

Catalog #: 351-033-721 4x100ml, 100 ml
Store at: 15 to 30°C
Shipped at: ambient temperature
Composition: MgCl₂•6H₂O 203.31 g/L, 1.0M
in Molecular Biology Grade (MBG) Water

DESCRIPTION

Quality Biological's (QBI) Magnesium Chloride 1M is prepared from ACS Grade magnesium chloride (MgCl₂•6H₂O) using Quality Biological's Molecular Biology Grade (MBG) Water. The final product is passed through a 0.2µm filter and sterilized.

APPLICATIONS

- Mg⁺⁺ Stock Solution for either SOB or SOC¹

DIRECTIONS

To prepare SOB Medium

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

To prepare SOC Medium

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

QUALITY CONTROL

General

All QBI products for Molecular Biology are prepared according to standard published protocols^{1, 2} or to formulations provided by customers. In addition, all products are subjected to a variety of quality control procedures, including pH and osmolality determinations, in order to validate that the test product is within its specifications.

The test results of individual lots of Magnesium Chloride 1M are available upon request from Technical Services.

REFERENCES

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

RELATED PRODUCTS

SOB Medium

Catalog # 340-072-061 100 ml 1M

SOC Medium

Catalog # 340-031-721 4x100ml, 100 ml
340-031-671 10x10ml, 10ml

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

1/20/984

Quality Biological, Inc. 7581 Lindbergh Drive, Gaithersburg, Maryland 20879

(800) 443-9331 ■ (301) 840-9331 ■ Fax: (301) 840-0743 ■ e-mail: Technical_Service@qualitybiological.com



©Copyright 2011 Quality Biological, Inc. All rights reserved. Quality Biological is a trademark of Quality Biological, Inc. The Quality Biological logo is a registered trademark of Quality Biological, Inc.