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Datasheet for MB-048

1.0 M Magnesium Chloride (DEPC Treated)

Overview

Description:	1.0 M Magnesium Chloride (DEPC Treated) - MB-048
Item No.:	MB-048
Size:	100 mL

Product Details

Background:	1.0 M Magnesium Chloride DEPC Treated solution is suitable for molecular biology assays, such as making lysis buffers, medias, including PCR reactions. Magnesium chloride is used in nutraceutical and pharmaceutical preparations. Magnesium has a variety of biological roles in enzymology, cell membrane/wall structure, muscle cell physiology, and nucleic acid structure. Magnesium is an essential co-factor in many enzymes, including DNAse, some restriction enzymes, and Ribonuclease H.
Synonyms:	1.0 M Magnesium Chloride Solution, 1.0 M Magnesium Chloride DEPC Treated Solution

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-048 SDS

Application Details

Application Note:	This product is a 1.0M concentrated stock solution and should be diluted appropriately with distilled, deionized water or equivalent to its final working concentration. This buffer contains 1.0 M Magnesium Chloride and was meticulously prepared using ultra pure reagents dissolved in highly polished pharmaceutical grade deionized water treated with diethyl pyrocarbonate (DEPC).
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.
Expiration:	Expiration date is six (6) months from date of receipt.

Images

Bottle
1.0 M Magnesium Chloride (DEPC Treated)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.