

50mM MgCl₂ Solution

Shipping: On Dry/Blue Ice

Catalog number

Batch No.: See vial

BIO-37026 : 3 x 1.2 mL



A Meridian Life Science® Company

Store at -20 °C

Storage and stability:

The 50mM MgCl₂ Solution is shipped on Dry/Blue Ice and stored at -20 °C.

Expiry

When stored under the recommended conditions and handled correctly, full activity of the kit is retained until the expiry date on the outer box label.

Safety precautions:

This product is for R&D use only, not for human use, or any other use. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Please refer to the material safety data sheet for information regarding hazards and safe handling practice.

Quality control specifications:

Bioline operates under ISO 9001 Management System. 50 mM MgCl₂ Solution is extensively tested for the absence of nucleic acid contamination prior to release.

Notes

This reagent has been manufactured under 13485 Quality Management System and is suitable for further manufacturing use as an IVD component.

Description

An aqueous solution of magnesium chloride, used for optimization of magnesium ion concentration in PCR. 50mM MgCl₂ is a convenient concentration for most molecular experiments. Use 1 µL in a 50 µL reaction for a final Mg²⁺ concentration of 1 mM.

Features

- DNase/ RNase-free

Applications

- PCR
- Enzymatic reactions

Components

Product Name	Volume
50mM MgCl ₂ Solution	3 x 1.2 mL

Associated products

Product Name	Pack Size	Catalog No.
ACCUZYME™ DNA polymerase	250 Units	BIO-21051
IMMOLASE™ DNA polymerase	250 Units	BIO-21046
VELOCITY™ DNA polymerase	250 Units	BIO-21098
BIO-X-ACT™ Short DNA Polymerase	500 Units	BIO-21065
MangoTaq™ DNA polymerase	1000 Units	BIO-21083

Product citations

1. Anastasi, E.M., *et al. Appl. Environ. Microbiol.* doi:10.1128/AEM.00141-10 (2010)
2. Boldorini, R., *et al. J. Med. Virol.* **82(12)**, 2127-32 (2010)
3. Svachova, M. & Tichy, M. *Neoplasma* **55(1)**, 36-41 (2008)
4. Mulder, I.E., *et al. Fish Selfish Immunol.* **23(4)**, 747-759 (2007)
5. O'Shea, D.J., *et al. Anal Chim. Acta* **537(1-2)**, 111-117 (2005)
6. Meir, R., *et al. Avian Dis.* **45(1)**, 223-228 (2001)

Bioline Reagents Ltd
UNITED KINGDOM

Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

Bioline USA Inc.
USA

Tel: +1 508 880 8990
Fax: +1 508 880 8993

Bioline GmbH
GERMANY

Tel: +49 (0)33 7168 1229
Fax: +49 (0)33 7168 1244

Bioline (Aust) Pty. Ltd
AUSTRALIA

Tel: +61 (0)2 9209 4180
Fax: +61 (0)2 9209 4763