

# 50mM MgCl<sub>2</sub> Solution

Shipping: On Dry/Blue Ice

Catalog number

Batch No.: See vial

BIO-37026: 3 x 1.2 mL



Store at -20 °C

## Storage and stability:

The 50mM MgCl<sub>2</sub> 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 13485 Quality Management System. 50 mM MgCl<sub>2</sub> Solution is extensively tested for the absence of nucleic acid contamination prior to release.

## Notes

For research or further manufactured use only.

## Description

An aqueous solution of magnesium chloride, used for optimization of magnesium ion concentration in PCR. 50mM MgCl<sub>2</sub> is a convenient concentration for most molecular experiments. Use 1 µL in a 50 µL reaction for a final Mg<sup>2+</sup> concentration of 1 mM.

## Features

- DNase/ RNase-free

## Applications

- PCR
- Enzymatic reactions

## Components

Product Name	Volume
50mM MgCl <sub>2</sub> 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
MangoTaq™ DNA Polymerase	1000 Units	BIO-21083

## Product citations

1. Sutanto, S.S.I., *et al. J. Cell Comm. Signaling* 1-8. (2019)
2. Zhan, Y., *et al. Anal. Chem.* (2019).
3. Pedales, R.D.C, & Fontanilla I.K.C., *Philippine J. Sci.* **147.1** 17-25. (2018)
4. Boldorini, R., *et al. J. Med. Virol.* **82(12)**, 2127-32 (2010)
5. Svachova, M. & Tichy, M. *Neoplasma* **55(1)**, 36-41 (2008)
6. Mulder, I.E., *et al. Fish Selfish Immunol.* **23(4)**, 747-759 (2007)
7. Meir, R., *et al. Avian Dis.* **45(1)**, 223-228 (2001)

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