

Magnesium Chloride (MgCl₂) Solution, 1 M, Sterile (TBS5093)

Catalog	Unit Size
TBS5093-100	100 ML
TBS5093-500	500 ML

DESCRIPTION

Magnesium chloride solution is a water-soluble ionic compound that supplies vital magnesium ions (Mg²⁺) for a wide range of biological and molecular applications. These ions are essential for enzymatic function, nucleic acid stability, and various cellular processes, serving as cofactors for enzymes such as DNases, restriction enzymes, and DNA polymerases. In molecular biology workflows, it is commonly used in PCR and buffer formulations to facilitate efficient DNA amplification by supporting enzyme activity and stabilizing nucleic acid interactions.

SPECIFICATIONS

Appearance: Clear, colorless
Form: Liquid
Concentration: 1 M

PACKAGE SIZE

100 mL or 500 mL per bottle

STORAGE

Store the reagent at 15 - 25°C.

RELATIVE PRODUCTS

Tris Buffered Saline with Tween-20 (10x TBST) (TBS5008T)
TMB Substrate (TBS5021)
Stop Solution for TMB Substrate (TBS5030)
1% Bovine Serum Albumin in TBST Buffer for ELISA Blocking (TBS5049-1)
ELISA Coating Buffer (TBS5058)
ELISA Assay Buffer (TBS5057)
1x Tris-buffered Magnesium Acetate Saline (TMS) (TBS5085)
Tris-buffered Magnesium Acetate Saline with Tween-20 (TMST) (TBS5086)
10% BSA Blocking PBS Solution, Sterile (TBS5087)
Krebs Ringer PBS Buffer (1x KRP) (TBS5096)
Krebs Ringer HEPES Buffer (TBS5097)
Krebs Ringer Bicarbonate Buffer (TBS5098)

This product is for research use only.