

ChemiPURE Magnesium Chloride Hexahydrate, ≥ 99%

500 gr, 1 kg

Cat No: MCH605, MCH610

Shipping : Ship at ambient temperature.

Storage : Store at room temperature (15–25°C) in a tightly closed container.

General Information

ChemiPURE Magnesium Chloride Hexahydrate ($\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$) is a high-purity laboratory reagent (≥99%) intended for research, analytical, biochemical, molecular biology, microbiology, and industrial laboratory applications. As a highly water-soluble magnesium salt, it serves as an essential source of magnesium ions in a wide range of biological and chemical applications.

Magnesium chloride hexahydrate is widely used in the preparation of PCR and qPCR reaction buffers, enzyme reaction mixtures, nucleic acid amplification protocols, cell culture media, microbiological media, and analytical reagents. Magnesium ions are critical cofactors for numerous enzymes, including DNA polymerases, RNA polymerases, restriction endonucleases, and nucleases, making magnesium chloride indispensable for molecular biology and biochemistry workflows.

ChemiPURE Magnesium Chloride Hexahydrate is manufactured under stringent quality control standards to ensure high purity, excellent batch-to-batch consistency, and reliable performance for routine laboratory and research applications.

Applications

- Preparation of PCR, RT-PCR, qPCR, and DNA amplification buffers
- Enzyme reaction buffers requiring magnesium ions
- Molecular biology and biochemistry applications
- Cell culture media supplementation
- Microbiological media preparation
- Protein purification and enzymatic assays
- Analytical chemistry and quality control laboratories
- General laboratory and research applications

This product is sold for laboratory research use only.

CAS Number: 7791-18-6

Purity: ≥99%

Molecular Weight: 203.30

Molecular Formula: $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$

Appearance: White crystalline powder or crystals