

### 5M Sodium chloride

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
5M Sodium chloride	ML008-100ML	100 ml
	ML008-500ML	500 ml

#### Intended Use

Recommended for various Molecular Biology experiments.

#### Introduction

Sodium chloride, also known as common salt or table salt, is an ionic compound. In nature it is found as a mineral halite. It is responsible for the salinity of the sea water and for the extracellular fluid of many multicellular organisms. 5M Sodium chloride is commonly used in many molecular biology, biochemistry and forensic applications.

#### Description

5M Sodium chloride is a sterile-filtered, pre-mixed solution. This is a common stock solution used in many molecular biology and forensic applications. This product is used to control osmolarity and conductivity, among other factors. In addition, sodium chloride is widely used in biochemistry and molecular biology research.

#### Application

The usage of 5M Sodium chloride in molecular biology and biochemistry is widespread. It is the major component of PBS and SSC buffers. It is used to precipitate DNA from SDS-containing samples and also in purification of bacteriophage  $\lambda$  and M13 DNA. Sodium chloride has extensive usage in protein chemistry, e.g. protein crystallization, column chromatography, ion chromatography, capillary electrophoresis etc.

#### Composition

5M Sodium chloride is made from highly pure molecular biology grade Sodium chloride and conveniently premixed to save time.

#### Properties

Appearance/ Color/ Clarity	: Colorless clear solution and free of particles
DNase & RNase	: None detected
Sterility	: No Bacterial or Fungal growth observed after 14 days of incubation as per USP Specifications
Suitability Test	: This reagent has been tested and is suitable for use in Molecular Biology Applications.

#### Storage

5M Sodium chloride solution has to be stored at 15-25°C. Under recommended condition, the reagent is stable for 48 months.

Please refer disclaimer Overleaf.

### Warning and Precautions

Not for Medicinal Use. Read the SDS carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

### Performance and Evaluation

Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.









### Safety Information

The 5M Sodium chloride is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

### Technical Assistance

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at [mb@himedialabs.com](mailto:mb@himedialabs.com).

### Symbol

	Manufacturer		Do not use if package is damaged
	Batch code		Temperature limit
	Date of manufacture (YYYY-MM)		Consult instructions for use
	Use-by date (YYYY-MM)		Catalogue number

Identification No.: PIML008

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### Disclaimer :

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