

5M Sodium hydroxide

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
5M Sodium hydroxide	ML026-100ML	100 ml
	ML026-500ML	500 ml

Introduction:

Sodium hydroxide (NaOH) is commonly called caustic soda and is extensively used in molecular biology. This caustic reagent has wide application in paper, soap and detergent industry.

Description:

5M Sodium hydroxide is a ready to use solution which can be easily diluted and pH adjusted to any concentration below. This solution is predominantly ionic as it contains sodium cations and hydroxide anions. The hydroxide anion makes Sodium hydroxide a strong base which reacts with acids to form water and the corresponding salts.

Application:

5M Sodium hydroxide solution is extensively used for neutralizing acids and preparing sodium salts of reagents. It is utilized during the Maxam-Gilbert DNA sequencing experiment. Diluted Sodium hydroxide solution is used in RNA gel blot procedure for simultaneous transfer and fixing of RNA to a positively charged nylon membrane.

Composition:

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

Properties:

Appearance	:	Colorless solution
Clarity	:	Clear and free of particles
DNase	:	None detected
RNase	:	None detected
Sterility	:	No bacterial or fungal growth is 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.

Please refer disclaimer Overleaf.

Storage conditions:

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

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

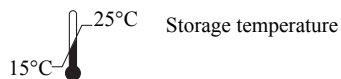
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The 5M Sodium hydroxide 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

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