

1M HEPES, pH 7.3

Product Name	Product Code	Kit Packing
1M HEPES, pH 7.3	ML114-100ML	100ml
	ML114-500ML	500ml

Introduction:

HEPES is a zwitterionic buffering agent used extensively in biochemistry and molecular biology. It is effective as a buffer at pH 6.8 to 8.2. The temperature dependence of HEPES is less than TRIS buffer.

Description:

HEPES (N-2-hydroxyethylpiperazine-N-2-ethane sulfonic acid) is an organic chemical buffering agent. This buffer has low absorbance in the UV range. It interferes with the Lowry protein assay and gives false positive results but not the Biuret protein assay. It is strongly recommended to keep HEPES-containing solutions in darkness as much as possible as it becomes phototoxic when exposed to ambient light by the production of hydrogen peroxide.

Application:

HEPES is a good buffering choice in various biochemical and molecular biological assays. It is also used in freezing of protein solutions. HEPES has extensive usage in cell culture because it can maintain the physiological pH.

Composition:

1M HEPES, pH 7.3 Solution is composed of extra pure molecular biology grade HEPES and aseptically filtered.

Properties:

Appearance	: Colorless solution
Clarity	: Clear and free of particles
pH	: 7.2 – 7.4
DNase	: 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 various molecular biology assays.

Please refer disclaimer Overleaf.

Storage conditions:

1M HEPES, pH 7.3 has to be stored at 15-25°C. Under recommended condition, the reagent is stable for 12 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 1M HEPES, pH 7.3 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.



Storage temperature



Do not use if package is damaged



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