

Potassium acetate buffer

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Potassium acetate buffer	ML006-100ML	100 ml
	ML006-500ML	500 ml

Intended Use

Recommended for various Molecular Biology experiments.

Introduction

Potassium acetate is the potassium salt of acetic acid. It is prepared by the reaction of a potassium containing base e.g. potassium hydroxide or potassium carbonate with acetic acid.

Description

Potassium acetate is used as a buffer in molecular biology research, notably in the isolation of DNA. Potassium acetate buffer is 3M with respect to potassium, 5M with respect to acetate with a pH of 5.5-5.7. It is extensively used in molecular biology. This solution is sterile, ready to use and its pH is adjusted to 5.5 - 5.7.

Application

Potassium acetate buffer is extensively used in molecular biology for the following applications:

- Alkaline lysis mini-prep
- Nucleic acid precipitation
- Buffer
- Precipitation of RNA following *in vitro* transcription
- Certified RNase-free for use in RNA-based applications

Composition

Potassium acetate buffer is made from highly pure molecular biology grade Potassium acetate and conveniently premixed to save time.

Properties

Appearance/ Color/ Clarity	: Colorless clear solution and free of particles
pH	: 5.5 - 5.7
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.

Please refer disclaimer Overleaf.

Storage

The Potassium acetate buffer solution has to be stored at 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 Potassium acetate buffer 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.

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.: PIML006

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Disclaimer :

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