

0.1 M Potassium Phosphate Buffer pH 7.4

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
0.1 M Potassium Phosphate Buffer pH 7.4	ML218-100ML	100ml
	ML218-500ML	500ml

Introduction:

0.1 M Potassium Phosphate Buffer pH 7.4 is a common buffer extensively used in molecular biology, biochemistry and biotechnology applications (purification, analysis) as it can maintain pH and osmolarity. 0.1 M Potassium Phosphate Buffer pH 7.4 is supplied as a ready to use form for convenience.

Description:

0.1 M Potassium Phosphate Buffer pH 7.4 is a commonly used phosphate buffer, consist of a mixture of monobasic dihydrogen phosphate and dibasic monohydrate phosphate. This solution is extensively used for dilution and washing during various biological applications as it maintains the physiological pH and osmolarity. Phosphates have a very high buffering capacity and are highly soluble in water. The phosphate groups of this buffer help to maintain a constant pH.

Application:

0.1 M Potassium Phosphate Buffer pH 7.4 solution is widely used in molecular biology, biochemistry, biotechnology and tissue culture as dilution and wash buffer as it is isotonic and non-toxic to living cells. It is also used as a wash buffer for immunological assays like western blot, immunohistochemistry, immunofluorescence microscopy and ELISA. It is also used for diluting antibodies during immunological assays or for reagent preparation. While preparing wash solutions sometimes Tween20 is also added. It is suitable for general use.

Composition:

0.1 M Potassium Phosphate Buffer is composed of Monobasic dihydrogen phosphate, Dibasic monohydrogen phosphate and the pH is adjusted to 7.4.

Properties:

Appearance	:	Colorless solution
Clarity	:	Clear and free of particles
pH	:	7.4 ± 0.2
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 various molecular biology assays.

Please refer disclaimer Overleaf.

Storage conditions:

0-1M Potassium Phosphate Buffer pH 7.4 has to be stored at (15-25°C). Under recommended condition, the reagent is stable for 6 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

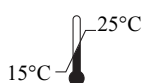
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The 0.1 M Potassium Phosphate Buffer pH 7.4 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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