

0.5 M Borate Buffer pH 8.5

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
0.5 M Borate Buffer	ML220-100ML	100ml
	ML220-500ML	500ml

Introduction:

0.5M Borate Buffer is a common buffer extensively used in many biological applications including molecular biology, biochemistry, cell biology and immunology as it can maintain pH and osmolarity. 0.5 M Borate Buffer Solution is supplied as a ready to use form for convenience.

Description:

0.5M Borate Buffer solution is commonly used as a sample diluent in biological studies and for various applications like washing, in coating procedures and as a component in blocking solutions. It has alkaline buffering capacity.

Application:

0.5 M Borate Buffer Solution is widely used in molecular biology and biochemistry as dilution, washing, coating and blocking buffer as it is isotonic and non-toxic to living cells. It can be used to dilute antibodies during western blotting and immunohistochemical staining and has applications in coating procedures or for reagent preparation. Additives such as BSA and casein can be added in borate buffer for its functionality as a washing buffer or blocking buffer. It is also used in protein modification and bioconjugation procedures at alkaline pH.

Composition:

0.5M Borate Buffer is composed of 200 mM boric acid and 50 mM of sodium tetraborate and the pH is adjusted to 8.5.

Properties:

Appearance	: Colorless solution
Clarity	: Clear and free of particles
pH	: 8.5 ± 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:

0.5M Borate Buffer pH 8.5 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

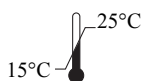
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The 0.5M Borate Buffer pH 8.5 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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