

Blocking Buffer

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Blocking Buffer	ML044-100ML	100ml
	ML044-500ML	500ml

Introduction:

Blocking buffer is used for the reduction of background interference during Western blotting, ELISA, immunostaining or other immunoassays. This buffer prevents non-specific binding of antibodies by binding to any open protein binding sites that do not have antibodies or antigen attached. Blocking Buffer enhances the sensitivity and specificity of any immunochemical applications by increasing signal-to-noise ratio and promoting specific binding of the primary antibody while minimizing non-specific interactions. This buffer comes as a ready-to-use solution of preformulated nonfat dry milk which is suitable for any immunochemical applications.

Description:

During the performance of various immunological experiments which are based upon enzyme conjugates that generate colorimetric or chemiluminescent signal, a blocking step is required to decrease the signal generated by non-specific binding of antibodies. The main purpose of the blocking reagent is to improve the sensitivity and specificity of an assay by reducing the background signal. For a particular immunoassay the concentration of blocking reagent has to be optimized because inadequate amount will result in excessive background and excessive can mask antibody-antigen interaction. As this Blocking Buffer contains nonfat powdered milk it is not recommended for avidin-based techniques because it contains some endogenous biotin.

Application:

Blocking Buffer is used in Western blotting, ELISA, immunohistochemistry and other immunological detection methods. This buffer can be used as a diluent for antibodies to improve signal-to-noise ratios.

Composition:

Blocking Buffer contains 5% (w/v) nonfat powdered milk in Tris Buffered Saline (TBS) with 0.01% Antifoam A.

Properties:

- Appearance : White colored solution
- Clarity : Clear and free of particles
- DNase & RNase : None detected
- Suitability test : This solution has been tested and is suitable for use as a blocking agent in various applications.

Please refer disclaimer Overleaf.

Storage conditions:

Blocking Buffer has to be stored at 2-8°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

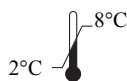
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The Blocking 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.



Storage temperature



Do not use if package is damaged



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