

Blocking Buffer

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Blocking Buffer	ML044-100ML	1x100 ml
	ML044-500ML	1x500 ml

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 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 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
Bioburden	: None detected
Suitability test	: This solution has been tested and is suitable for use in blocking.

Storage conditions: Blocking Buffer has to be stored at 2 - 8^o C.

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.

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