

### Blocking Buffer (10% BSA in 1XTBS)

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Blocking Buffer	ML185-100ML	100 ml
(10% BSA in 1XTBS)	ML185-500ML	500 ml

#### Introduction:

Blocking Buffer (10% BSA in 1XTBS) is made of high-quality BSA that is useful for saturating excess protein-binding sites on membranes and microplates in immunoassays. The Blocking Buffer (10%) should be diluted up to 1% working concentration prior to use with 1X Tris-buffered saline. A good blocking buffer for a specific experiment will bind to all potential sites of nonspecific interaction, eliminating background without altering or obscuring the epitope for antibody binding. In case of immunoblotting/staining of phosphorylated protein TBS is recommended instead of PBS, because phosphate in PBS may interfere with immunoreaction between phospho protein and phospho specific Antibodies.

#### Description:

The blocking buffer should improve the sensitivity of the assay by reducing background interference and improving the signal-to-noise ratio. Blocking Buffer (10% BSA in 1XTBS) is a ready-to-use solution which can be used for blocking steps in Western blot, ELISA, IHC and nucleic acid detection methods.

#### Application:

Blocking Buffer with BSA is usually more effective than nonfat milk blocking buffers for biotin-avidin systems because it contains a single purified protein that is devoid endogenous biotin. The purpose of the blocking step in an assay is to improve assay sensitivity by reducing background interference.

#### Procedure for Blocking:

1. Dilute 10% BSA Blocking Buffer to 1% with 1X TBS
2. Add blocking solution to the microplate well, blotting membrane or immunohistochemical slide.
3. Incubate for 30 minutes to 2 hours at room temperature or at 37°C.
4. Continue protocol as per your specific application.

**Note:** The reagent is filter sterilized and should be open under aseptic conditions.

#### Properties:

Appearance	:	Colorless solution
Clarity	:	Clear and free of particles

Please refer disclaimer Overleaf.

pH : 7.4 - 7.6  
DNase & RNase : None detected  
Suitability test : This solution has been tested and is suitable for use

#### Storage conditions:

Blocking buffer (10% BSA in 1X TBS) 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

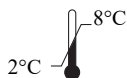
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

#### Safety Information

The Blocking buffer (10% BSA in 1X TBS) 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](mailto:mb@himedialabs.com).



Storage temperature



Do not use if package is damaged



HiMedia Laboratories Private Limited,  
Reg. Off: Plot No. C-40, Road No. 21Y,  
MIDC, Wagle Industrial Area, Thane,  
(West) 400604, Maharashtra, INDIA.  
Web: [www.himedialabs.com](http://www.himedialabs.com)



07/2026

PIML185\_0/0723

ML185-03

#### Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

HiMedia Laboratories Pvt. Ltd. Reg.office : Plot No. C-40, Road No. 21Y, MIDC, Wagle Industrial Area, Thane, (West) 400604, Maharashtra, INDIA.  
Customer Care No.: 00-91-22-6116 9797 Tel: 00-91-22-6147 1919, 6903 4800 Email: [techhelp@himedialabs.com](mailto:techhelp@himedialabs.com) Website: [www.himedialabs.com](http://www.himedialabs.com)