

Assay Diluent Buffer (1% BSA in 1XPBS)

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Assay Diluent Buffer	DS0231-100ML	100 ml
	DS0231-500ML	500 ml

Intended Use:

Recommended for use in all ELISA formats and in Immunoassays such as Western blotting, IHC, Immunofluorescence etc. as an assay diluent buffer for antibody & protein dilution.

Introduction:

Assay Diluent Buffer is made of high-quality BSA that is useful for diluting Primary antibody, secondary antibody and some detection reagent to reduce non-specific binding. An optimal Diluent buffer maximizes the signal-to-noise ratio and does not react with the antibodies or target protein.

Description:

The Antibody diluent buffer helps to improve the sensitivity of the assay by eliminating the non-specific binding of the antibodies and improving the signal-to-noise ratio. Diluent Buffer is a ready-to-use solution which can be used for diluting antibodies or detection reagent in Western blot, ELISA, IHC and nucleic acid detection methods. It does not disrupt the binding of assay components that have been adsorbed to the well. Also do not possess enzymatic activity that might contribute to signal generation of the substrate or degradation of the reactants.

Application:

Assay diluent buffer with BSA is used to dilute the primary antibody, secondary antibody as well as detection reagents and standard proteins in ELISA.

Composition: Assay diluent buffer is made up of high quality BSA in 1X phosphate buffer saline.

Storage : Assay diluent buffer (1% BSA in 1X PBS) has to be stored at 2-8 °C.

Properties:

Appearance	:	Colorless solution
Clarity	:	Clear and free of particles
pH	:	7.4 ± 0.2
Bioburden	:	None detected
Suitability test	:	This solution has been tested and is suitable for use.

General Preparation Instructions

1. Read the procedure carefully before starting the experiment
2. Examine the reagent for precipitation. Allow the reagent to come to the room temperature (15-25°C) before use.

Type of Sample :

Cell culture supernatant, Cell extract, Tissue extract, any biological fluids such as Serum, Plasma, Urine, Milk, Saliva etc.

Procedure for Blocking:

1. Determine the number of microwell strips required to test the desired number of samples plus appropriate number of wells needed for running blanks and standards.
2. Dilute assay components i.e. Standard Protein, Antibody or detection reagent to the appropriate concentration using Assay diluent buffer.
3. Add 100-200µl of appropriately diluted solution to microtiter wells .
4. Continue protocol as per your specific application.

Warning and Precautions

Not for Medicinal Use. Read the procedure 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.

Limitations

The data obtained in ELISA assay depends upon the type of analyte under study.

Performance and Evaluation

Performance of the solution is expected when the solution is used as per the protocol mentioned in the product insert within the expiry period when stored at recommended temperature.

Safety Information

The Assay Diluent Buffer is for laboratory use only, not for diagnostic, household or other uses. To best of our knowledge this product is non-hazardous. 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.

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Performance and Evaluation

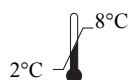
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Technical Assistance

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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Disclaimer :

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