

Coating Buffer

Product Name	Product Code	Kit Packing
Coating Buffer	DS0236-100ML	100ml
	DS0236-500ML	500ml

Introduction:

Coating is the first step in any ELISA. Coating means the immobilization of antigen, antibodies or any other compound on the well surface. It is the process where a suitably diluted antigen or antibody is incubated until adsorbed to the surface of the microtiter plate. Adsorption occurs passively as the result of hydrophobic interactions between the amino acids side chains on the antibody or antigen used for coating, and the plastic surface. It is dependent upon time, temperature, and the pH of the coating buffer, as well as the concentration of the coating agent.

Description:

HiMedia's Coating buffer is phosphate buffer designed to use in any ELISA format. It helps to stabilize the coating antigen or antibody added to the wells and maximize the adsorption of the protein to polystyrene plates. By stabilizing the adsorbed protein the antigenic regions are preserved allowing greater binding reactivity and enhanced specific signal.

Application:

- Enhances the absorption of antigens or antibodies onto ELISA plates
- Stabilize tertiary structures of adsorbed antibodies and antigens
- Increases shelf life of coated plates

Concentration:

The coating buffer is supplied as a ready to use.

Properties:

- Appearance : Colorless solution
- Clarity : Clear and free of particles
- Suitability test : This solution has been tested and is suitable for use in ELISA procedures.

Protocol:

1. Dilute the coating antigen or antibody in a coating buffer at required concentration.
(Typically 1-10 µg/ml)
2. Add 50-200 µl of coating buffer containing coating antigen or antibody to the wells of microtiter plates.
3. Shake the microtiter plate and cover with lid or sealing film.

Please refer disclaimer Overleaf.

Note: During coating, it is important to maintain the plates in a moist environment to minimize evaporation.

4. Incubate overnight at 4°C or 2-3 hours at Room temperature.

Note: incubation time and temperature can vary depending upon antigen and antibody used for coating.

Storage conditions:

Coating Buffer has to be stored at 2-8 °C. Under recommended condition, the reagent is stable for 12 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.

Limitations

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

Performance and Evaluation

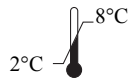
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The Coating 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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Disclaimer :

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