

Protein-Free Sample Diluent

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CATALOG #
AAA52767

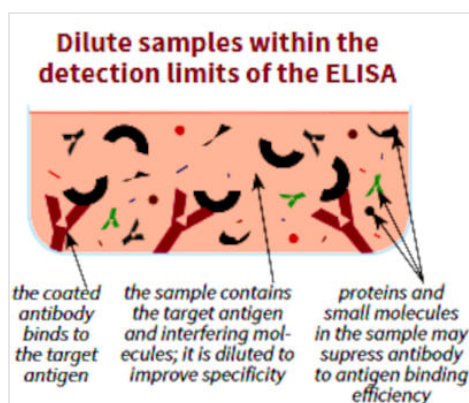
PRODUCT SYNONYMS

Protein-Free Sample Diluent; Protein-Free Sample Diluent diluent

PRODUCT SPECIFICATIONS

Specifications	• Clear liquid • 1X ready to use
pH	7.1-7.6
Instructions	1. Prepare standards in Protein-Free Sample Diluent. 2. Dilute samples in Protein-Free Sample Diluent. • Serum samples should generally be diluted at least 1:50 in order to minimize backgrounds caused by non-specific antibody binding. • To dilute the sample 1:100, add 1 part sample to 99 parts Protein-Free Sample Diluent. For example, add 10 uL sample to 990 uL Protein-Free Sample Diluent for a total of 1,000 uL. • Highly concentrated samples may need to be diluted 1:1,000 or more. 3. Once diluted, run the assay according to the specific ELISA protocol. 4. Analyze the data. If the samples were diluted 1:100, the dilution factor must be considered when calculating the value. For example, if the sample generated an OD value that correlates to 500 pg/mL based on the standard curve, multiply by the dilution factor of 100 to yield a true concentration of 50,000 pg/mL = 50 ng/mL in the sample.
Preparation and Storage	Store at 2-8°C.

IMAGES



ELISA

ADDITIONAL INFORMATION

Related Product Information for Protein-Free Sample Diluent diluent	Protein-Free Sample Diluent is a protein-free matrix used for the dilution of biological samples (e.g. serum, cell culture media) into the useful range of antibody-sandwich or antigen-down ELISA format assays. This unique buffer contains a heterogeneous mixture of proprietary molecules that help reduce background noise associated with non-specific bridging of signal-generating conjugates to the plate well surface. Sample diluents are used to dilute samples into the functional range of the assay and to create the standard curve. Due to the finite binding capacity of the plate well-coated proteins (e.g., antibodies, antigens), highly concentrated samples must be diluted in order to obtain absorbance readings within the sensitivity detection limits of the instrument. Properly formulated sample diluents will also reduce background noise associated with non-specific bridging of signal-generating conjugates to the plate well surface. Protein-Free Sample Diluent provides a non-protein-based buffered, neutral pH environment that is highly compatible with antibody-antigen interactions. Antimicrobial agents allow for room temperature bench-top use and extensive storage stability at 2-8°C.
Product Categories/Family for Protein-Free Sample Diluent diluent	ELISA Solutions; Sample and Assay Diluents; Protein-Free Sample Diluent

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/diluent/protein-free-sample-diluent/52767>