

Plasma Sample Diluent

Plasma Sample Diluent (Antigen-Down SD)

 CATALOG #
AAA52765

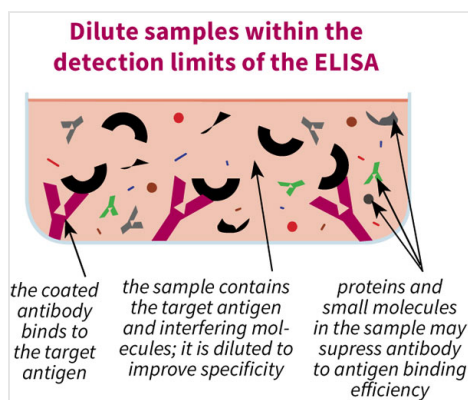
PRODUCT SYNONYMS

Plasma Sample Diluent; Plasma Sample Diluent (Antigen-Down SD); Plasma Sample Diluent diluent

PRODUCT SPECIFICATIONS

Form/Format	Clear to light yellow liquid
pH	7.2-7.6
Instructions	1. Generally, serum samples should be diluted at least 1:50 to minimize background noise caused by non-specific antibody binding. 2. To dilute the sample 1:100, add 1 part sample to 99 parts Plasma Sample Diluent. For example, add 10 uL sample to 990 uL Plasma Sample Diluent for a total of 1,000 uL. 3. Highly concentrated samples may need to be diluted 1:1,000 or more. 4. Once diluted, run the assay according to the specific ELISA protocol. 5. Analyze the data. If the sample was diluted, the dilution factor must be considered when calculating the value.
Preparation and Storage	24 months at 2-8°C 1 week at room temperature

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for Plasma Sample Diluent diluent	Plasma Sample Diluent is formulated to provide a stable protein-friendly environment for dilution of neat plasma or serum samples for analysis in antibody sandwich or antigen-down format ELISAs. It was specifically developed to provide a reliable solution to the occurrence of unwanted clotting events in plasma and serum samples within the microtiter plate wells. When assay sensitivity is a large concern, serum or plasma samples must be added to the ELISA plate neat or diluted only slightly, making clotting more likely. This issue can be essentially eliminated by diluting the potentially problematic samples 1:2 in Plasma Sample Diluent. 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-coated proteins, 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 microtiter plate surface. Plasma Sample Diluent provides a mammalian protein-buffered, neutral pH environment that is highly compatible with antibody-antigen interactions. Inclusion of a protein component helps minimize the degree of non-specific IgG adsorption onto coated and blocked ELISA plate wells during antigen-down screening of serum or plasma samples. Antimicrobial agents allow for room temperature bench-top use and extensive storage stability at 2-8°C.
Product Categories/Family for Plasma Sample Diluent diluent	ELISA Solutions; Sample and Assay Diluents

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/plasma-sample-diluent/52765>