

General Assay Diluent

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 CATALOG #
AAA52763

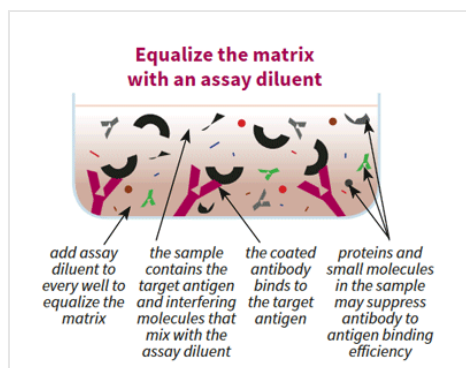
PRODUCT SYNONYMS

General Assay Diluent; General Assay Diluent diluent

PRODUCT SPECIFICATIONS

Form/Format	Clear to light yellow liquid
pH	7.2-7.6
Specification	1X ready to use
Instructions	1. Dilute the standard curve, controls, and the samples as necessary. ICT offers several formulations of sample diluents in which to prepare the samples. 2. Pipette 50-100 μL General Assay Diluent per well into every well of the plate. 3. Pipette 50-200 μL of each standard, control, and sample into the plate. 4. Run the assay according to the specific ELISA protocol. 5. Analyze the data. Because all of the wells, including the standards and controls, received the same volume of assay diluent, there is no need to account for this dilution when calculating the results.
Preparation and Storage	Store at 2-8°C. Store at room temperature for one week.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for General Assay Diluent diluent	General Assay Diluent is formulated for testing serum, plasma, urine, and cell cul-ture samples in all sandwich ELISA formats. Use of an assay diluent helps minimize matrix complexity differences between the sample (e.g., serum, etc.) and the diluent used to generate the standard curve of the ELISA. Large differences between the sample and the standard diluent matrices will result in under-recovery of the target analyte present in sample wells. Complex and concentrated protein environments (the matrix) present in serum or plasma samples will greatly reduce the antigen-binding efficiency of the plate-adsorbed antibodies, resulting in a gross underestimation of the amount of target analyte present in the test samples. General Assay Diluent helps equalize the antibody-binding efficiencies between the standard curve and the sample wells. To use, simply add 50-100 µL to every well of the ELISA plate, including all wells designated for standards, controls, and samples. Then add the standards, controls, and samples to the plate. Mammalian protein ad-ditives included in the formulation serve to reduce non-specific interac-tions between the sample matrix proteins and the plate surface, thereby minimizing background noise. General Assay Diluent also inhibits complement and thrombin activity present in serum and plasma samples. Incorporation of an antimicrobial agent allows for room temperature bench-top use and extensive storage stability at 2-8°C. This assay diluent formulation ensures a more accurate and consistent ELISA performance, regardless of sample type.
Product Categories/Family for General Assay 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/general-assay-diluent/52763>