immunochemistry TECHNOLOGIES

ELISA AND ASSAY REAGENTS

Bright Minds, Bright Solutions™

ELISA AND IMMUNOASSAY COMPONENTS

Coating and Blocking Buffers
Sample and Assay Diluents
Protein Stabilizers
Substrates and Stop Solutions
ELISA Development Kits

SOLUTIONS FOR OPTIMIZED SIGNAL

Maximize Protein Adsorption
Stabilize Coated Proteins
Suppress Non-Specific Binding
Reduce Background and Cross-Reactivity
Minimize Matrix Interference

BUILD A BETTER ELISA!

Distributed by:
CliniSciences Group

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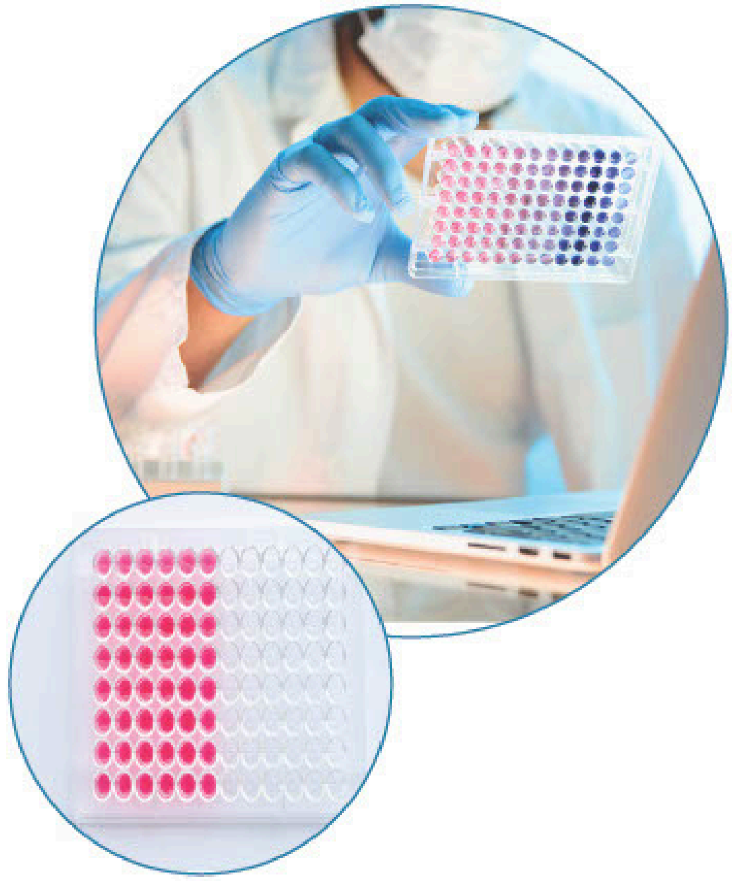


Coating Buffers

- *Enhance adsorption of antibodies or antigens onto ELISA plates*
- *Stabilize tertiary structures of adsorbed antibodies and antigens*
- *Increase shelf-life of coated plates*
- *Use less capture reagent*

ICT's Coating Buffers maximize the adsorption of proteins onto polystyrene plates while preserving their three-dimensional structure. This allows for greater binding reactivity with the detection molecule, thus enhancing the specific signal. By generating a higher specific signal, a lower concentration of coating antibody or antigen may be needed; thereby saving valuable reagents. Under proper storage conditions, coated plates may last for years enabling you to prepare large batches of plates at once and store them for future experiments.

Coating Buffers *(continued)*

Antibody Coating Buffer, 5X is used to coat antibodies onto plates. Antibody Coating Buffer stabilizes and preserves the antigen recognition regions of the antibody. This allows for greater binding reactivity with the target antigen; thereby enhancing the specific signal.

Antigen Coating Buffer, 5X is used to coat antigens onto plates to detect antibody binding events (often referred to as antigen-down ELISAs). Antigen Coating Buffer stabilizes the adsorbed protein and preserves its antigenic regions.

PRODUCT	SIZE	CAT. #
Antibody Coating Buffer, 5X	100 mL	644
	500 mL	645
	1 L	646
	10 L	658
Antigen Coating Buffer, 5X	100 mL	6247
	500 mL	6248
	1 L	6249
	10 L	6250

Blocking Buffers

- *Specific blockers for antibody-sandwich or antigen-down ELISAs*
- *Maintain the water of hydration of dried coated antigen or antibody proteins*
- *Minimize nonspecific binding interactions during the assay process*
- *Increase shelf-life by improving the stability of the coated protein*
- *Reduce assay variability*

ICT's Blocking Buffers are used to stabilize coated proteins on the ELISA plate by maintaining an optimal hydration level following the plate coating process. They are also used to block any nonspecific binding regions of the adsorbed proteins, and any uncoated regions of the plate. This will reduce the OD of blank controls, and make positive results more reproducible. ICT has created 6 proprietary blocking buffer formulations for use with sandwich and antigen-down ELISAs to aid in optimizing your assay.

Alternative Block provides superior background-blocking performance to eliminate interference and minimize background noise on ELISA formats without the use of conventional cross-reactive protein additives.

General Block (with BSA) is for antigen-down and sandwich ELISAs requiring low to average blocking strength.

Blocking Buffers *(continued)*

Monster Block is a high strength blocking buffer designed to address high background problems in antigen-down and sandwich immunoassays. Using a heterogenous mixture of non-mammalian blocking agents, Monster Block reduces nonspecific binding and stabilizes proteins.

Neptune Block is a non-mammalian blocker that provides extra blocking strength. This blocker is recommended for: antigen-down ELISAs; sandwich ELISAs with high backgrounds; and ELISAs testing human and other mammalian samples.

Phosph-Free Block is a novel non-protein blocking formulation designed to eliminate interference and nonspecific background noise associated with antibody-coated ELISA formats and sandwich ELISAs. Phosph-Free Block is formulated for ELISAs using alkaline phosphatase detection or for assays with ultra-sensitivity requirements.

SynBlock eliminates interference and nonspecific background noise associated with antibody-coated ELISA formats and sandwich ELISAs.

Blocking Buffer Optimization Pack provides five blocking buffer formulations; 100 mL of Alternative Block, General Block, Monster Block, Neptune Block, and SynBlock. Try all five to screen for which blocker would work best in your assay.

PRODUCT	SIZE	CAT. #
Alternative Block	100 mL	6299
	500 mL	6300
	1 L	6301
	10 L	6302
General Block	100 mL	632
	500 mL	633
	1 L	640
	10 L	659
Monster Block	100 mL	6295
	500 mL	6296
	1 L	6297
	10 L	6298
Neptune Block	100 mL	62
	500 mL	63
	1 L	64
	10 L	660
Phosph-Free Block	100 mL	6262
	500 mL	6263
	1 L	6264
	10 L	6265
SynBlock	100 mL	641
	500 mL	642
	1 L	643
	10 L	661
Block Buffer Optimization Pack (100 mL of Alternative Block, General Block, Neptune Block, & SynBlock)	5 bottles	957

Sample Diluents

- *Suitable for antibody-sandwich or antigen-down ELISAs*
- *Minimize nonspecific binding interactions during the assay process*
- *Reduce sample variation*
- *Decrease background noise*

Sample Diluents are used to dilute ELISA test samples so they read within the functional range of the assay. High-titer samples will overload the finite binding capacity of the coated ELISA plate, leading to inconsistent results, and decrease the specific signal. The right sample diluent will also aid in reducing false positives and decrease background noise by diluting any interfering proteins in the test sample. Diluting the test samples increases overall sensitivity and reduces sample variation. ICT has created 4 proprietary sample diluents for both sandwich and antigen-down ELISAs.

General Serum Diluent is specifically formulated for the dilution of mammalian and chicken serum samples into the functional range of the assay. General Serum Diluent contains a buffered BSA protein base to ensure a constant pH and a solute environment favorable to antibody-antigen interactions.

Neptune Sample Diluent is a non-mammalian protein solution highly recommended for use with serum or plasma samples (from porcine or bovine sources in an antigen-down format). Neptune Sample Diluent can also be used for human or other mammalian plasma samples in antibody-sandwich ELISAs.

Plasma Sample Diluent is formulated specifically for use with plasma samples in an antigen-down ELISA format. It can also be used for serum and plasma samples in antibody sandwich ELISAs. This BSA-based buffer contains additives to inhibit thrombin (clotting) and complement activity during the incubation period.

Protein-Free Sample Diluent is a specially formulated protein-free buffer that contains a heterogeneous mixture of proprietary molecules designed to reduce background noise associated with nonspecific binding.

PRODUCT	SIZE	CAT. #
General Serum Diluent	100 mL	647
	500 mL	648
	1 L	649
	10 L	675
General Serum Diluent, 2X	1 L	6709
Neptune Sample Diluent	100 mL	6124
	500 mL	6125
	1 L	6126
	10 L	6127
Plasma Sample Diluent	100 mL	694
	500 mL	695
	1 L	696
	10 L	697
Protein-Free Sample Diluent	100 mL	6702
	500 mL	6703
	1 L	6704
	10 L	6707
Sample Diluent Optimization Pack (100 mL of General Serum Diluent, Neptune, Plasma, & Protein-Free Sample Diluent)	4 bottles	959

Sample Diluent Optimization Pack contains all four sample diluents; 100 mL each of General Serum Diluent, Neptune Sample Diluent, Plasma Sample Diluent, and Protein-Free Sample Diluent. Try all four to screen for which diluent would work best in your assay.

Assay Diluents

- *Address matrix problems in antibody-sandwich or antigen-down ELISAs*
- *Minimize nonspecific binding interactions during the assay process*
- *Reduce sample matrix interference*
- *Decrease background noise*

Assay Diluents equalize any differences between the sample matrix (serum, plasma, urine, cell culture media) and the diluent used to generate the standard curve. Assay diluents are pipetted directly onto the plate into every well just prior to adding the samples. Assay diluents reduce the effects of the sample matrix and variation among samples, without pre-dilution of the samples. Assay diluents can also reduce background noise caused by nonspecific interactions between the sample matrix proteins and the plate surface. ICT has developed 4 proprietary assay diluents for both sandwich
and antigen-down ELISAs to aid in optimizing your assay.

Antigen-Down Assay Diluent is formulated for use with serum and plasma samples tested in antigen-down ELISAs. Use Antigen-Down Assay to eliminate clotting of plasma samples in the ELISA plate well.

General Assay Diluent can be used for serum and plasma samples tested in all antibody sandwich ELISAs. Use General Assay Diluent to inhibit complement and thrombin activity.

IgM-Reducing Assay Diluent can be used for serum and plasma samples tested in all antibody sandwich ELISAs. Use IgM-Reducing Assay Diluent to inhibit complement and thrombin activity, and reduce IgM-mediated conjugate bridging interference.

Neptune Assay Diluent is formulated for use with plasma and serum samples (especially porcine and bovine serum) tested in antigen-down ELISAs. Use Neptune Assay Diluent to inhibit complement and thrombin activity.

Assay Diluent Optimization Pack contains all four of our assay diluents; 100 mL of Antigen-Down, General, IgM-Reducing, and Neptune Assay Diluent. Try all four to screen for which assay diluent would work best in your assay.

PRODUCT	SIZE	CAT. #
Antigen-Down Assay Diluent	100 mL	629
	500 mL	630
	1 L	631
	10 L	674
General Assay Diluent	100 mL	620
	500 mL	621
	1 L	622
	10 L	671
General Assay Diluent, 2X	1 L	6710
IgM-Reducing Assay Diluent	100 mL	623
	500 mL	624
	1 L	625
	10 L	672
Neptune Assay Diluent	100 mL	626
	500 mL	627
	1 L	628
	10 L	673
Assay Diluent Optimization Pack (100 mL of Antigen-Down, General, IgM-Reducing, and Neptune Assay Diluent)	4 bottles	958

Conjugate Stabilizers

- *Extend the diluted enzyme-conjugated antibody shelf-life*
- *Minimize nonspecific binding interactions*
- *Stabilize the enzyme conjugated-antibody complex*
- *Decrease background noise*

Conjugate Stabilizers are used to reconstitute lyophilized enzyme-conjugated detection antibodies and to dilute concentrated stock preparations of enzyme-conjugates. ICT's conjugate stabilizers support the immunoglobulin and HRP or AP components of the enzyme-antibody protein complex. This prevents the conjugate from falling apart and competing with the specific signal. It also increases the shelf-life of the diluted conjugate. ICT offers 5 conjugate stabilizer formulations for use with sandwich and antigen-down ELISAs.

Antigen-Down HRP Conjugate Stabilizer, 5X is preferred for antigen-down ELISAs and for sandwich ELISAs using a tertiary IgG-HRP conjugated detection antibody. It contains only non-mammalian additives, so it is ideal for assays that may be affected by albumin or other nonspecific serum proteins.

HRP Conjugate Stock Stabilizer, 5X is our most popular conjugate diluent. It contains BSA as a protein stabilizer and magnesium and calcium salts to stabilize the catalytic site of the HRP porphyrin ring structure. Use it to dilute newly reconstituted conjugates and to dilute the conjugate further for use in your assay. It can also be used as a base formulation for creating your own unique conjugate diluent.

Alkaline Phosphatase Conjugate Stabilizer, 1X is useful in any ELISA assay that employs an antigen or antibody conjugated to alkaline phosphatase. Alkaline phosphatase conjugates are stable to a concentration of 2 µg/mL when diluted in this solution. It is provided ready-to-use at 1X.

Neptune HRP Conjugate Stabilizer, Non-Mammalian, 1X is used to preserve concentrated stock conjugates, reconstitute lyophilized conjugates, and dilute antibody-HRP conjugates to their useful working titer in ELISAs and immunology-based techniques. This product is best for immunoassays using anti-IgG HRP conjugates within traditional antigen-down or antibody sandwich ELISA formats.

PRODUCT	SIZE	CAT. #
Antigen-Down HRP Conjugate Stabilizer, 5X	25 mL	6169
	100 mL	6102
	500 mL	6103
	1 L	6104
	10 L	6105
HRP Conjugate Stock Stabilizer, 5X	25 mL	6173
	100 mL	667
	500 mL	668
	1 L	669
	10 L	670
Alkaline Phosphatase Conjugate Stabilizer, 1X	25 mL	6270
	100 mL	6271
	500 mL	6272
	1 L	6273
	10 L	6274
Neptune HRP Conjugate Stabilizer, Non-Mammalian, 1X	100 mL	6347
	500 mL	6705
	1 L	6348
	10 L	6349
HRP Conjugate Stabilizer, Mammalian, 1X	100 mL	6350
	500 mL	6706
	1 L	6351
	10 L	6352

HRP Conjugate Stabilizer, Mammalian, 1X is used to preserve concentrated stock conjugates, reconstitute lyophilized conjugates, and dilute antibody-HRP conjugates to their useful working titer in ELISAs and immunology-based techniques.

Substrates

- *Enhance the sensitivity of your ELISA*
- *Reduce background noise*
- *Provide linearity for enhanced reproducibility*
- *Non-toxic and environmentally friendly*

Substrates are used to generate the ELISA read-out signal. The signal generated is reflective of all the previous binding steps and the strength of the substrate itself. The substrate reacts with the peroxidase detection enzyme (HRP or AP), and the optical density (OD) of the resulting color reaction is read with a spectrophotometric plate reader. The relative sensitivity of a substrate is affected by the formulation of the solution, the length of the incubation period of the enzyme-substrate reaction, and the titer of the target molecule in the assay. TMB (3,3',5,5'-tetramethylbenzidine) and pNPP (para-Nitrophenylphosphate) substrates are ideal for use with kinetic assays and can also be paired with a stop solution for use in endpoint ELISAs.

TMB Super Sensitive HRP Microwell Substrate (SUBS) is our most sensitive TMB buffer. SUBS is approximately 40-fold more sensitive than SUBT. SUBS is useful when detecting very low levels of a target molecule, with samples that must be highly diluted (1:10,000), to amplify the signal when using antibodies with low binding capacity, and with samples that exhibit high steric hindrance. SUBS can also be used to shorten the incubation time of the assay. SUBS can be stopped with Stop Solution for TMB Substrates (STOPT). Absorbance for SUBS is read at 370 nm or 620-650 nm.

TMB HRP Microwell Substrate (SUBT) is our most popular substrate and provides the reference for performance of all the other HRP substrates offered. SUBT is ideal for most ELISAs where the target is in the ng-pg/mL range. We recommend starting with this formulation when developing an assay to estimate the level of sensitivity. SUBT can be stopped with STOPT. Absorbance for SUBT is read at 370 nm or 620-650 nm.

TMB Slow Kinetic HRP Microwell Substrate (SUBK) exhibits roughly 25% less sensitivity than SUBT. Lower sensitivity substrates are ideal for ELISAs where the test samples contain high levels of the target molecule, for assays with long incubation periods (such as overnight incubations), and for assays that simply do not require a high level of sensitivity. SUBK can be stopped with STOPT. Absorbance for SUBK is read at 370 nm or 620-650 nm.

ABTS 1-Component HRP Microwell Substrate (SUBA) is a ready-to-use solution containing 2,2'-azino-bis(3-ethylbenzthiazoline-6-sulfonic acid) in a mildly acidic buffer. This substrate is ideal for use in ELISAs where the detection level is in the µg-ng/mL range and horseradish peroxidase (HRP) is the conjugated detection enzyme. This substrate is suitable for ELISAs where the test samples contain high concentrations of the target molecule or when it is advantageous to utilize lower sample dilution factors.

(continued)

Substrates *(continued)*

AP pNPP Microwell Substrate (SUBP) is used in ELISA assays to detect alkaline phosphatase-conjugated molecules. This formulation of pNPP substrate contains a stabilizer to extend the shelf life of the substrate on your benchtop. SUBP can be stopped with STOPP.

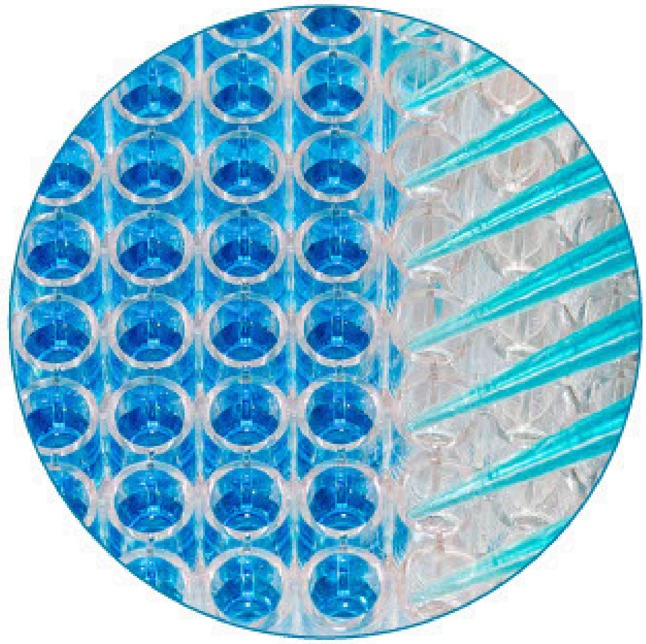
TMB HRP Membrane Substrate (SUBM) is useful for immunoblotting applications where HRP-conjugated molecules are used for detection. SUBM reacts with HRP yielding a dark blue reaction product. The formulation of this substrate does not contain any aprotic solvents.

BCIP/NBT AP Membrane Substrate (SUBB) uses BCIP(5-bromo-4-Chloro-3'-Indolyphosphate p-Toluidine Salt) and NBT (Nitro-Blue Tetrazolium Chloride) for immunoblotting applications where alkaline phosphatase-conjugated molecules are used for detection. NBT serves as the oxidant and BCIP is the AP substrate. SUBB reacts with AP yielding an insoluble, dark-blue reaction product.

PRODUCT	SIZE	CAT. #
TMB Super Sensitive HRP Microwell Substrate (SUBS)	100 mL	6275
	1 L	6329
TMB 1-Component HRP Microwell Substrate (SUBT)	100 mL	6276
	1 L	6337
TMB Slow Kinetic HRP Microwell Substrate (SUBK)	100 mL	6277
ABTS 1-Component HRP Microwell Substrate (SUBA)	100 mL	6278
AP pNPP Microwell Substrate (SUBP)	100 mL	6279
TMB HRP Membrane Substrate (SUBM)	100 mL	6280
BCIP/NBT AP Membrane Substrate (SUBB)	100 mL	6281

Stop Solutions

- *Stop the color development*
- *Standardize your readings*
- *Reduce variation for enhanced reproducibility*



Stop Solutions are used to prevent further color development of the substrate in an ELISA assay. The chromogenic signal is arrested in endpoint assays so that the read-out is indicative of the time the assay is stopped. A stop solution may also be added at the final time point in a kinetic assay.

Stop Solution for TMB Microwell Substrates (STOPT) is a ready-to-use liquid stop solution. STOPT is suitable for use with our TMB substrates SUBT, SUBS, and SUBK. This stop solution changes the TMB chromogen from blue to yellow. The absorbance is read at 450 nm.

Stop Solution for AP Microwell Substrate (STOPP) is a ready-to-use liquid stop solution. STOPP is compatible with our alkaline phosphatase substrate SUBP. This stop solution does not change the color or the absorbance of the AP chromogen; read the absorbance at 405 nm to 420 nm.

PRODUCT	SIZE	CAT. #
Stop Solution for TMB Substrates (STOPT)	100 mL	6282
	1 L	6343
Stop Solution for AP Substrate (STOPP)	100 mL	6284

Wash Buffer, 10X

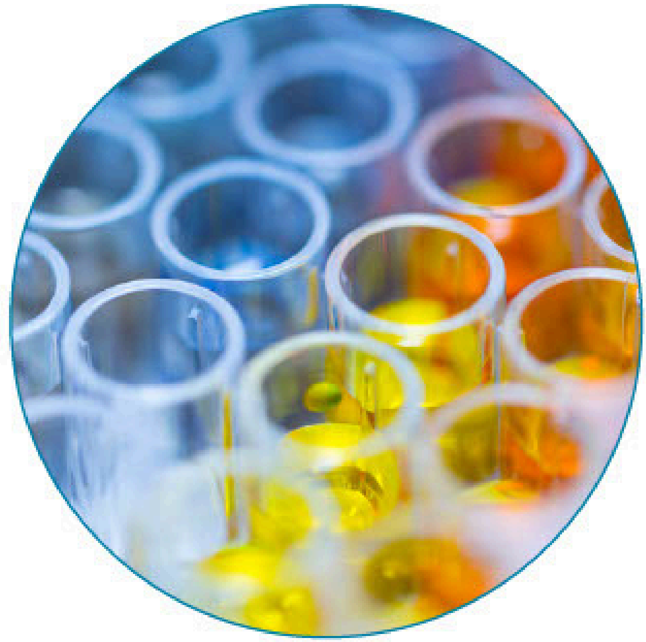
ELISA Wash Buffer is used to wash ELISA plates between reagent addition steps. It removes unbound interfering material without compromising the positive signal. Consistently using ELISA Wash Buffer will reduce background noise, increase the specific signal, and reduce variability between assays. To use, simply dilute the buffer 1:10 (100 mL WB to 900 mL diH_20). The buffer may be dispensed through a squirt bottle, a plate washer, or a multi-channel pipette to wash the microtiter plates.

PRODUCT	SIZE	CAT. #
ELISA Wash Buffer, 10X	100 mL	650
	500 mL	651
	1 L	652
	10 L	676

PBS Solution, 10X

Phosphate Buffered Saline can be used as a base to create your own ELISA buffers, and for other common laboratory applications. Improve consistency and save technician time by using ICT's preformulated Phosphate Buffered Saline. To use, simply dilute it 1:10 (100 mL PBS to 900 mL diH_20).

PRODUCT	SIZE	CAT. #
Phosphate Buffered Saline, 10X	100 mL	6157
	500 mL	6158
	1 L	6159
	10 L	6160



ELISA Development Kits

ICT provides complete packs of assay reagents and detailed technical guides to facilitate the development of your own ELISA. Purchasing the assay pack is more economical than buying individual reagents. The assay packs contain enough of each reagent to run ten 96-well plate ELISAs. For a small restocking fee, we will gladly make substitutions to the packs to help customize your assay.

Antigen-Down ELISA Development Kit is used to assess assay feasibility and optimize ELISA performance parameters during antigen-down ELISA development. This kit provides seven specially formulated ELISA buffers, 96-well plates, plate storage materials, and a template for the initial development and optimization of a novel antigen-down format ELISA. From coating buffer to substrate and stop solutions, this kit contains enough reagent to perform ten 96-well ELISA plate assays. As an added bonus, it also includes extra plates, sealing covers, and storage materials for ten additional plates.

Antibody-Sandwich ELISA Development Kit is used to assess assay feasibility and optimize ELISA performance parameters during antibody-sandwich ELISA development. This kit provides eight specially formulated ELISA buffers, 96-well plates, plate storage materials, and a template for the initial development and optimization of a novel antibody-sandwich format ELISA. From coating buffer to substrate and stop solutions, this kit contains enough reagent to perform ten 96-well ELISA plate assays.

PRODUCT	SIZE	CAT. #
Antigen-Down ELISA Kit	1 kit	9101
Ab-Sandwich ELISA Kit	1 kit	9100

Accessories

Costar™ 96-Well EIA Plate is a flat-bottom, high-binding, clear polystyrene plate. It is comprised of 12 strips of 8 wells in a 96-well plate holder. ICT recommends Costar plates when coating antibodies (Corning #2592; Costar is a trademark of Corning, Inc.).

Immulon™ II 96-Well Plate is a flat-bottom, clear polystyrene plate that is irradiated to provide higher binding affinity. ICT recommends Immulon™ II plates when coating antigens (Thermo #3355; Immulon is a trademark of ThermoLabsystems).

ELISA Plate Covers are clear adhesive sheets of 4x6 inch heavy plastic to cover the microtiter plate when incubating your assay. These covers reduce evaporation of the sample liquid and prevent contaminants from entering the well. Cover your plate to avoid hot-spots and reduce intra-assay variation. Supplied in packs of 10.

Foil Storage Bags are light-proof ~5x8" zip-lock heat-sealable bags that are designed to protect coated ELISA plates during storage. Foil bags prevent light from deteriorating the coated protein, and they eliminate fluctuations in humidity. Add a desiccant pack for more protection against moisture to increase shelf-life.

Desiccant Packets are 5 gram packets of silica gel that absorb moisture. A desiccant packet should be included with each ELISA plate to stabilize the coated proteins during storage as humid conditions inside the plate bag will accelerate the break-down of coated proteins. A desiccant may inhibit this deterioration, thereby increasing the shelf-life of coated ELISA plates.

96-Well Plate Post-Its are an exact template of a 96-well microtiter plate. Put your plate on the paper and never mix up your samples again. Each 4x6 inch pad contains 25 sheets. Supplied in packs of 4 (100 sheets total).

PRODUCT	SIZE	CAT. #
Costar™ 96-Well Plate	1 plate	25
Immulon II™ 96-Well Plate	1 plate	227
ELISA Plate Covers	10 pack	6287
Foil Storage Bags	10 pack	6288
Desiccant Packets, 5 gm	10 pack	6289
96-Well ELISA Template Post-Its	4 pads	6290

Immunoassay Services

ImmunoChemistry Technologies' service laboratory specializes in a wide variety of immunoassay-related services. Our assay development scientists have years of experience with protein chemistry and ELISA optimization. We have the knowledge and expertise to develop reliable, sensitive, and specific immunoassays. We can also scale up and manufacture your assay for internal or commercial use. All ICT products and services are for research use only, and not intended for diagnostic use.

ELISA Development

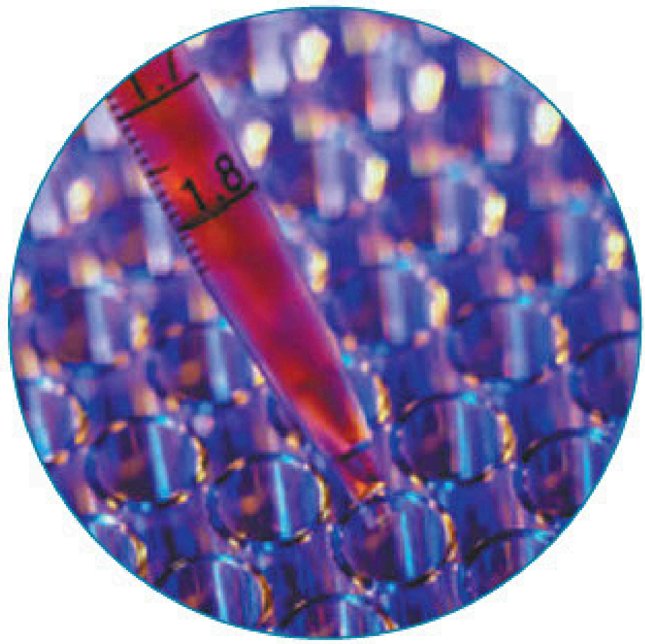
Looking to detect or measure a specific target molecule? We can fully develop a quick, accurate, and reliable immunoassay test or optimize an exisiting assay.

Plate Coating

If you need coated microtiter plates quickly, contact us. We will coat, block, dry, and seal your microtiter plates in foil bags with a desiccant packet so they are ready to use the next time you need to run a sample.

Conjugation

Covalently attach signal-generating enzymes to antibodies, couple fluorescent labels to specific proteins and peptides, biotinylate antibodies and proteins, or conjugate hapten groups. We do it all — quickly and efficiently.



Purification

We can assist you with your antibody purification requirements, purifying and concentrating monoclonal and polyclonal antibodies using Protein G or Protein A. We can also affinity purify polyclonal IgG samples.

Lyophilization

Need something vialed and freeze-dried? ICT can prepare it for you with our custom lyophilization services.

Consultation

With our extensive experience in immunochemistry, we have encountered and solved just about every issue. Call us for help in building an assay from start to finish, or optimizing an existing assay that is not performing as well as you need. High backgrounds or low specific signal? We have the solution.

Improve the Performance of Your ELISA

ImmunoChemistry Technologies' unique ELISA reagents and products address the issues that typically occur during ELISA development — specificity, sensitivity, reproducibility, and shelf-life. ImmunoChemistry Technologies (ICT) offers a comprehensive line of high-quality buffers, diluents, stabilizers, and solutions for the preparation and execution of ELISA tests. These reagents have been specifically optimized for a 96-well microtiter plate system and can be applied in other assay techniques as well. Call ICT to get started on your ELISA.

SPEND TIME ON YOUR RESEARCH, NOT ON YOUR ASSAY

Our ELISA experts have already optimized the ideal ELISA solutions so you don't have to spend time developing buffers.

MAKE YOUR ASSAY MORE SENSITIVE

Using our assay solutions, you can increase the specific signal of your conjugates to increase sensitivity.

DECREASE BACKGROUND NOISE

Prevent nonspecific binding problems from interfering with true positives.

REDUCE FALSE POSITIVES

Our assay diluents and sample diluents minimize interference from other proteins within the sample matrix.

CONTROL ASSAY VARIABLES

Our high-quality solutions are consistently manufactured and tested, so you know you are using the same reagent every time.

INCREASE REPRODUCIBILITY

By using our consistent and reliable solutions, your ELISAs will become more reproducible.

CONSERVE VALUABLE REAGENTS

By promoting a higher specific signal, less protein is needed to coat the plate, and less conjugate is needed to generate a higher specific signal.

INCREASE THE SHELF-LIFE OF YOUR PLATES

Plates can be stored at RT or refrigerated for several months or even years using our solutions.

DON'T HALT YOUR RESEARCH TO MAKE ELISAS

With optimized reagents with extended shelf-lives, you can create just one lot of materials for your entire study.

NEED HELP?

Our ELISA experts can tell you which solutions would work best for your assay, and offer tips on ELISA techniques. Visit our website, email, or call us today.

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