F17-527-3-E; Effective: 03/04/2020; Supersedes: F17-527-3-D

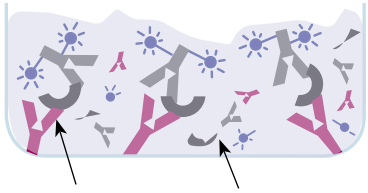
ELISA Wash Buffer, 10X

An optimal formulation of salts and detergents to wash ELISA plates.

ELISA Wash Buffer, 10X is used to remove unbound components from microtiter plates after the coating process and between reagent addition steps of an ELISA. ICT's ELISA Wash Buffer is an optimal formulation of pH stabilizers, salts, and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound assay components and interfering substances can be washed away without suppressing antigen-antibody binding interactions, thereby reducing non-specific background noise and increasing the specific signal.

ICT's ELISA Wash Buffer, 10X is a universal ELISA wash buffer; it may be used with antibody-sandwich ELISAs and antigen-down ELISAs. It contains a non-azide, non-mercury preservative that will not interfere with the assay binding interactions, while still providing excellent long-term, 1X storage stability at room temperature. As it is supplied concentrated at 10X, crystalline precipitates may form in the bottle, especially when refrigerated. If this occurs, gently warm or mix the buffer until all crystals have dissolved.

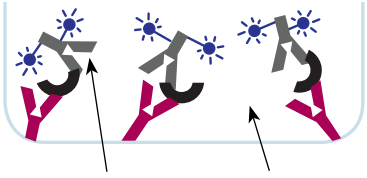
Wash Between Reagent Steps



The coated capture antibody is bound to the target antigen which is also bound to the HRP-conjugate.

Unbound components, like proteins from the sample and free HRP-conjugate interfere with binding and lead to high backgrounds.

ELISA After Wash Step



A clear positive signal is generated by the bound HRP conjugate.

ELISA Wash Buffer removed the interfering substances to minimize background noise and increase specificity.

ELISA WASH BUFFER, 10X

Size	Catalog #
100 mL	#650
500 mL	#651
1 L	#652
10 L	#676

INSTRUCTIONS:

1. Mix ELISA Wash Buffer, 10X to dissolve any precipitates in the bottle; avoid bubbles. If necessary, gently warm the concentrated buffer until all crystals are in solution; do not boil.
2. Dilute wash buffer 1:10. For example, add 100 mL of 10X concentrated ELISA Wash Buffer to 900 mL diH_2O.
3. To wash microtiter plates, completely fill each well with 1X wash buffer (about 400 µL/well). Wash buffer may be dispensed through a squirt bottle, a plate washer manifold, a multi-channel pipette, or an automated system. Do not submerge the entire plate in a bath as the wells may become cross contaminated.
4. Aspirate or dump out the buffer and repeat for a total of 2-4 washes.
5. After the final aspiration, vigorously pound the plate on paper towels to remove any excess liquid.

For more ELISA protocols and information, please visit www.immunochemistry.com.

SPECIFICATIONS:

- Clear liquid
- pH 7.2-7.6 at 1X

STORAGE:

- May be stored at room temperature or 2-8°C
- Shelf life is 2 years at room temperature

SAFETY & USAGE:

- Warning! May cause an allergic skin reaction.
- Contains ≤ 1% 2-Chloroacetamide
- SDS available at immunochemistry.com
- Product intended for research use or for further manufacturing into *in vitro* diagnostics reagents only.
- Not intended for use in human or therapeutics purposes.

BRIGHT MINDS, BRIGHT SOLUTIONS.™

ImmunoChemistry Technologies, LLC gratefully acknowledges the significant contributions made by one of its founders, Brian W. Lee, Ph.D in the development of this product, including the creation and illustration of its strategy and protocol.

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