



UltraCoat™ ELISA Plate Coating Buffer (10X Stock Solution)

Prod. No.: C100

Pkg. Size: 100 ml, 1 L

Storage: 2 – 8°C

Detailed storage instructions below.

Description

UltraCoat™ ELISA Plate Coating Buffer is a proprietary coating buffer formulation containing a physiological based solution of monobasic and dibasic phosphates. Designed for optimal coating of antibodies and antigens to polystyrene plates, this coating buffer maximizes specific binding to the target solid phase. UltraCoat™ ELISA Plate Coating Buffer helps stabilize immobilized proteins to preserve three dimensional structure and functionality and provides the optimal pH and ionic strength for antibody and antigen binding.

Advantages of UltraCoat™

- **Increased Specific Signal and Decreased Background** – UltraCoat™ ELISA Plate Coating Buffer has an optimal pH and ionic strength designed for increased adsorption and consistent plate coating to increase specific binding and reduce non-specific interference.
- **Save Valuable Coating Protein and Detection Conjugate** – By stabilizing coated proteins and preserving their tertiary structures, the specific signal will be increased and you may find that you can use less protein to coat your plates and less detection conjugate to obtain optimal signal.
- **Ease of Use** – Simply add 1 part UltraCoat™ ELISA Plate Coating Buffer 10X Stock Solution to 9 parts high purity deionized water. Following dilution, the buffer is ready to use.

Directions for Product Use

1. Prior to use, simply add 1 part UltraCoat™ to 9 parts high purity deionized water.
2. Add your antibody or antigen into enough coating buffer to coat the desired number of microwells (coating volume can range from 50 – 300 µl/well). Appropriate coating concentrations will range from < 0.1 µg/ml to > 10 µg/ml and each investigator should determine their own optimal coating concentration for their specific application.
3. Pipette the desired coating volume into the microwells (50 – 300 µl/well).
4. For best results, allow plates to incubate with coating solution overnight at 4°C protected from light. Wrap the plate(s) in plastic wrap or incubate in a covered humidified chamber to minimize evaporation.
5. Dump or aspirate the coating solution out of the wells and wash plates ≥ 4 times to minimize background staining.
6. Pipette an appropriate blocking buffer, such as UltraBlock-FISH™ ELISA Blocking Buffer “Ready Use” ([Leinco Prod. No.: B396](#)), onto the plate at a higher volume than the coating solution (200 – 300 µl/well).
7. Allow plates to incubate with blocking buffer for 3 – 24 hours at room temperature (25°C) protected from light. Wrap the plate(s) in plastic wrap or incubate in a covered humidified chamber to minimize evaporation.
8. Aspirate the blocking solution from the wells.
9. The assay can be performed at this point or the plate(s) can be dried and sealed for later use.
10. Dry the plate(s) loosely covered with aluminum foil on the bench top or in a drying oven at room temperature or warmer for 2 – 24 hours.
11. Once plate(s) are dry, seal in an air-tight foil pouch with a desiccant and store at 2° - 8°C.



Products are for research use only. Not for use in diagnostic or therapeutic procedures.

Product Datasheet

www.leinco.com



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Storage and Stability

UltraCoat™ ELISA Plate Coating Buffer can be stored for a minimum of 3 years prior to dilution. In order to minimize the risk of contamination fresh working solution should be prepared daily.

Reported Applications

Direct and Sandwich ELISA

Country of Origin

USA

Related Products

[TMB HRPO Microwell Substrate Group](#)

ABTS HRPO Microwell Substrate One Component "Ready Use" ([Leinco Prod. No.: A202](#))

pNPP Alkaline Phosphatase Microwell Substrate One Component "Ready Use" ([Leinco Prod. No.: P162](#))

UltraBlock-FISH™ ELISA Blocking Buffer "Ready Use" ([Leinco Prod. No.: B396](#))

UltraCoat II™ ELISA Plate Coating Buffer "Ready Use" ([Leinco Prod. No.: C1214](#))



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