

UNI-StabilPLUS

BUFFERS & STABILIZERS

AP/HRP Conjugate Stabilizer

Cat. no. 5230

Product Characteristics

UNI-StabilPLUS is a universal stabilizer for the dilution and stabilization of both Horseradish Peroxidase (HRP) and Alkaline Phosphatase (AP) labeled proteins and antibodies, in order to maintain the molecular conformation and prevent loss of activity over time. This enables the making of pre-diluted, ready-to-use conjugates, minimizing assay errors in dilution.

Superior stabilization of HRP and AP conjugated antibodies in low as well as high protein dilutions is seen, when using UNI-StabilPLUS.

When tested with AP conjugated antibody stability is seen as follows:

- at least 3 years at 2-8 °C
- at least 2 years at room temperature
- at least 4 weeks at 37 °C

When tested with HRP conjugated antibody stability is seen as follows:

- at least 2 years at 2-8 °C
- at least 1 years at room temperature
- at least 2 weeks at 37 °C

UNI-StabilPLUS is recommended for the dilution of antibodies directed against rabbit immunoglobulins unlike HRP-StabilPLUS (cat. no. 4530) and Antibody Enhancer (cat. no. 4660).

Composition & Properties

UNI-StabilPLUS is a ready-to use buffer that appears as an opaque solution. The product is based on a mild acid Tris buffer containing proprietary stabilizing components. UNI-StabilPLUS contains neither BSA, nor other material from bovine serum, no azide, mercury or other toxic components.

Working Procedure

1. Make a series of dilutions of the HRP- or AP conjugated protein in UNI-StabilPLUS in order to determine the optimal dilution.
2. Run the assay as usual or store the diluted conjugated protein preferably at 2-8 °C.

Tips & Tricks

- Avoid using phosphate buffers for AP-conjugated antibody assays. We recommend the use of Tris/HCl, Tween as the washing buffer, instead of a PBS buffer which will reduce signal significantly.
- For extended stability of HRP conjugated antibodies, HRP-StabilPLUS (cat. no. 4530) is recommended.

Handling & Storage

- Store solution at 2-8 °C.



Our Immunoassay Solutions are eco-friendly, creating a healthy work environment and preserving natural resources, while helping our customers fulfill significant regulatory requirements. **We call it ECO-TEK.**