

# Buffers and Stabilizers

PROVIDING IMMUNOASSAY SOLUTIONS

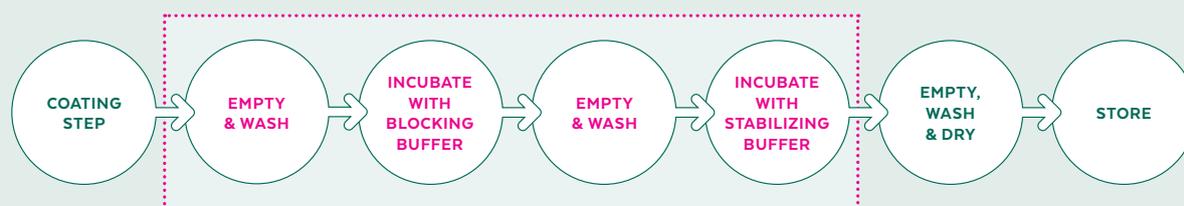
# Buffers and Stabilizers

Kementec Solutions' ECO-TEK buffers are designed for use in colorimetric as well as in chemiluminescence based assays such as ELISA, Western Blotting and IHC. They are all ready-to-use and robust diluents offering superior stabilization of proteins conjugated to Horseradish Peroxidase (HRP) and Alkaline Phosphatase (AP). These stabilizers prevent loss of enzyme activity and maintain the proteins molecular conformation. Furthermore all our ECO-TEK buffers are Bovine Serum Albumin (BSA) free.

## WellChampion®

### Plate Blocking & Protection Buffer for pre-coated plates

WellChampion preserves and protects biological activity of proteins and other biomolecules coated and dried on microwell surfaces. The protection of the coated and dried surface prevents degradation, denaturation and leaching. As WellChampion also efficiently blocks any free binding sites left on the microwell surface after coating, separate blocking of the surface is not necessary. WellChampion dramatically speeds up your plate coating and stabilization process in most cases at the same time resulting in improved assay sensitivity.



Coat the microwell plate and add WellChampion directly, without emptying the plate first. The surface is now allowed to saturate with WellChampion. Empty the plate without tapping and let it dry. The plate is now blocked and long term stable.



## Synthetic Blocking Buffers

### Blocking Buffers for ELISA and Blotting

Purely synthetic, protein free blocking buffers for ELISA and Blotting applications with high blocking capacity: Improving signal-to-noise ratio values and eliminating the risk of false positive cross reactions in the assay.

## Choose the right buffer

The following table will guide you to the optimal choice of our different solutions.

D: Diluent, S: Stabilizer

Buffer	Standards & Controls	Samples	HRP-conjugates	AP-conjugates	Antibodies
HRP-StabilPLUS **			D/S		
AP-StabilPLUS				D/S	
UNI-StabilPLUS			D/S	D/S	
Protein-StabilPLUS	D/S				D/S
Antibody Enhancer **			D/S	D/S	D/S
Sample X-tra	D	D			
Effect Diluent *		D	D	D	D
MultiBOOSTER	D	D	D/S	D/S	D

\* Not an ECO-TEK product

\*\* Cannot be used with antibodies against rabbit immunoglobulin



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.

### HRP-StabilPLUS

#### HRP Conjugate Diluent & Stabilizer

HRP-StabilPLUS is our most successful and widely used conjugate buffer for HRP labeled proteins due to its unsurpassed long lasting stabilizing effect in both high and low protein concentrations.

### Antibody Enhancer

#### HRP- & AP- Antibody Diluent, Stabilizer & Amplifier

Antibody Enhancer is an antibody efficient conjugate stabilizer as well as signal amplifier. The buffer enhances the binding capacity of the diluted antibodies and provides the highest assay signal-to-noise ratio among our stabilizers.

### AP-StabilPLUS

#### AP Conjugate Diluent & Stabilizer

AP-StabilPLUS is a highly recommended alternative to conventional Alkaline Phosphatase conjugate stabilizers, as the long lasting stabilizing effects in both high and low protein concentrations when using AP-StabilPLUS are incomparable.

### Sample X-tra

#### Sample dilution buffer for Immuoassays

The dilution of sample matrices & assay standards with Sample X-tra minimizes nonspecific interactions between the matrix proteins and the surface of the plate, improving signal-to-noise ratio.

### UNI-StabilPLUS

#### AP & HRP Conjugate Diluent & Stabilizer

UNI-StabilPLUS is a universal conjugate diluent designed for the stabilization of both AP- & HRP-labelled proteins. Utilizing the same buffer for all conjugates simplifies daily work processes.

### Effect Diluent

#### Sample dilution buffers for Immuoassays

The 3 Effect Diluent buffers (Low, Medium and High) eliminate interference from HAMA's (human-a-mouse Ab's), Heterophilic Ab's and RF (rheumatoid factors) by blocking cross reactions without affecting the correct binding of the assay antibodies.

### Protein-StabilPLUS

#### Protein Stabilizer

Protein-StabilPLUS gives superior stabilization of ready-to-use pre-diluted standards and controls used in immunoassays.

### MultiBOOSTER

#### Assay Dilution & Amplification

The MultiBOOSTER ensures maximum sensitivity and minimal background in an assay, by amplifying the specific bindings between layers and offers a detection limit improvement of approximately four times. A stabilizing effect on conjugates and antibodies/proteins is an added benefit of the buffer.

# Profile

Being the European market leader in substrates and buffers for immunoassays, our continuous goal is to deliver products with uncompromised:

- Quality and consistency
- Sensitivity and shelf life
- Ease-of-use
- Safety for personnel and environment

Kementec is a well-established, innovative and service oriented company with 30 years of experience as manufacturer & supplier of components to the industry and to researchers worldwide.

Kementec values long lasting business relationships and the success of our customers. We consider ourselves more as a trusted partner than as a general supplier. A part of this vision is providing high quality colorimetric substrates, and color-coded reagents, described as:

Colors of Success!

**Kementec Solutions A/S**  
Kuldysen 10  
DK-2630 Taastrup  
Denmark

Tel. +45 39 27 17 71  
kementec.com  
support@kementec.com

**kementec**