



### Ordering Guide - Plate Coating Enhancement

WellChampion	4900E	10 L
WellChampion	4900A	1000 ml

### Ordering Guide - Enzyme Label Enhancement

Enhanced Streptavidin-HRP™	4740N*	1 mg
Enhanced Streptavidin-AP™	5150N*	1 mg

### Ordering Guide - Antibody Enhancement

Antibody Enhancer	4660E	10 L
Antibody Enhancer	4660A	1000 ml
Antibody Enhancer	4660L	500 ml
Antibody Enhancer	4660H	100 ml

### Ordering Guide - Colorimetric Enhancement

TMB SENS Liquid Substrate	4850A	1000 ml
TMB SENS Liquid Substrate	4850L	500 ml
TMB SENS Liquid Substrate	4850H	100 ml
Prestained TMB SENS Substrate	4860A	1000 ml
Prestained TMB SENS Substrate	4860L	500 ml
Prestained TMB SENS Substrate	4860H	100 ml

\*Please be aware that not all products in this brochure are covered by the ECO-TEK brand name

#### Kem-En-Tec Diagnostics A/S

was founded in 1987 by researchers from the Institute of Protein Chemistry, University of Copenhagen.

#### Kem-En-Tec Diagnostics

develops superior, technology enhanced, Ready-To-Use, critical components for Colorimetric & Chemiluminescent based immunoassays. Being the European market leader, we empower our IVD and R&D customers to develop assays that secure:

- More reliable diagnosis
- Earlier diagnosis
- Faster diagnosis
- ECO-safe diagnosis

#### Kem-En-Tec Diagnostics'

components are all robust with long shelf lives, produced in large batch sizes.

Our state-of-the-art manufacturing facility enables fine tuning of ECO-TEK reagents and dispensing sizes.

Further, our global distribution network and eco-sensible formulations ensure immediate delivery anywhere in the world.

#### Kem-En-Tec Diagnostics

bases its business on long-term customer relationships offering high quality products, flexibility, fast and safe product supply, and a high degree of service and support.



#### Kem-En-Tec Diagnostics A/S

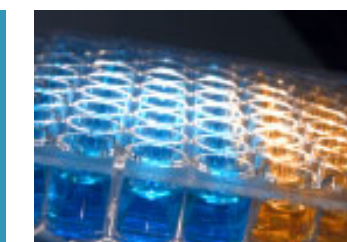
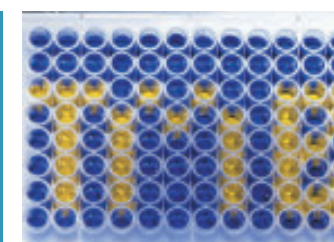
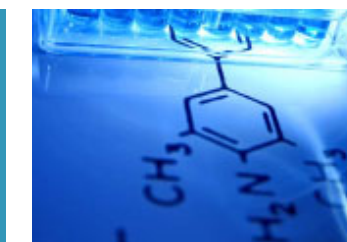
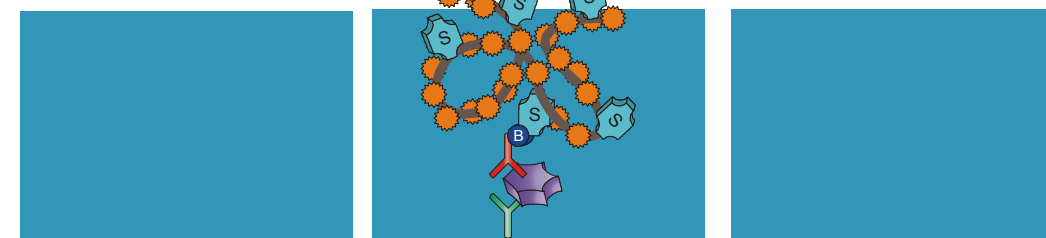
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# ELISA Amplification Guide

## Components giving maximum assay sensitivity



#### Kem-En-Tec Diagnostics A/S

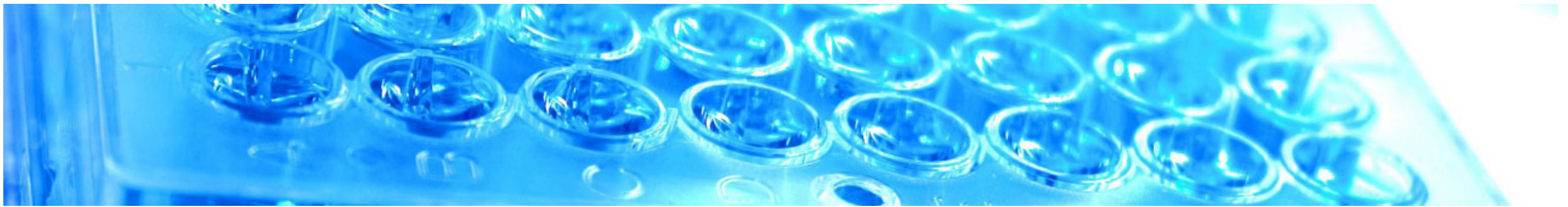
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*For better diagnosis and healthcare*

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# ELISA Amplification - from Initial Plate Coating to Final Colorimetric Measurements

## In need of:

- Increased Assays Sensitivity
- Increased Assay Stability
- Broader Detection Limit
- Shortened Assay Time
- Sustainable Assays

## We recommend:

- WellChampion Plate Coating
- Our Enhanced Conjugates
- Antibody Enhancer as the preferred Conjugate Stabilization Buffer
- TMB SENS for Increased OD's

## GO GREEN!

**ECO-TEK®**

\*The ECO-TEK brand name stands for environmentally-friendly IVD components that focus on human health and offer the highest level of sustainability, e.g. removing toxic ingredients and reducing water waste.

\* ECO-TEK brand name products are individually indicated

### Plate Coating Enhancement

**ECO-TEK® WellChampion** offers you a **one step blocking and stabilization** that works with both hydrophobic and hydrophilic plates. The instant, effective blocking by the use of **WellChampion** makes it a highly effective, time saving tool for production of pre-coated ELISA plates.

#### Advantages

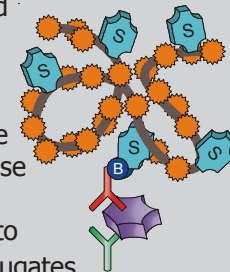
- **Eliminates intermediate washing steps**; **WellChampion** dramatically speeds up plate coating and stabilization, and ultimately reduces washing buffer consumption up to 50%
- Blocking and stabilization is done in one step
- Prevents degradation, denaturation and leaching
- Improves assay sensitivity (OD) and plate precision due to minimized washing steps.
- **Saturation time down to 30 sec.**

#### Properties

- **BSA-free** and biologically inactive
- **Free of azide, mercury or other toxic preservatives formulations**
- Stabilizes and preserves coated microwell plates
- Efficiently blocks any free binding sites on the microwell surface without creating any interference.
- **Covered by ECO-TEC brand name**

### Enzyme Label Enhancement

**Kem-En-Tec Diagnostics** has developed conjugates with an enhanced molar ratio of detection molecules covalently coupled to a polymer backbone. These enhanced conjugates enable 5 – 20 fold increase in sensitivity in ELISA compared to conventional conjugates.



**Antibody Enhancer™** is an *excellent and obvious choice as diluent* for our amplification conjugates:

- **Enhanced Streptavidin-HRP™**
- **Enhanced Streptavidin-AP™**

when *maximum assay sensitivity* is required.

#### We Recommend

The optimal dilution factor must be found experimentally from 1:1.000 to 1:100.000 for the specific assay.

#### Properties

- **Enhanced Streptavidin-HRP™** - 1 mg HRP/mL
- **Enhanced Streptavidin-AP™** - 1 mg Conjugate/mL

#### Specificity

Biotinylated probes

### Antibody Enhancement

The **ECO-TEK® Antibody Enhancer** is a HRP- & AP-Antibody **Diluent, Stabilizer & Amplifier**.

The product is an efficient antibody conjugate stabilizer as well as a signal amplifier.

#### Advantages

- Enhances the Ab binding capacity
- Provides the highest assay SNR with a dilution factor >1:2000

Alternatively, substantial savings can be achieved by further diluting your conjugates, still obtaining the same sensitivity.

#### Properties

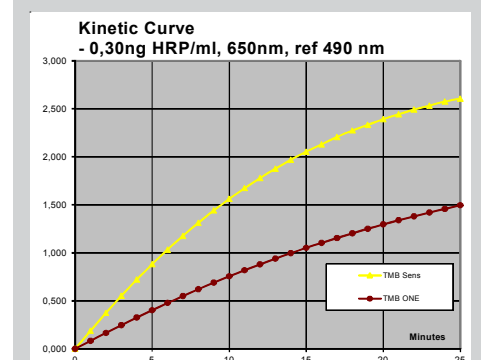
Antibody Enhancer™ offers a shelf life of:

- **4 years at 2-8°C**
- 2 years at room temperature
- 10 weeks at 37°C
- The diluted conjugate may be stored for 4 years at 2-8° C.
- **Covered by ECO-TEK brand name**

For dilution of antibodies directed against rabbit Immunoglobulines, we recommend you to choose our UNI-StabilPLUS.

### Colorimetric Enhancement

The **ECO-TEK® TMB SENS** is the latest member of the Kem-En-Tec Diagnostics TMB family with maximized sensitivity in today's market place. The **TMB SENS** is highly robust and offers a long stability life time at 2-8 °C even with a high level of remaining activity after 30 days kept at room temperature.



#### Advantages

- **Reduced incubation time**
- **Faster and yet reliable assays**
- **Improved kinetic characteristics**

#### Properties

- **Covered by ECO-TEK brand name** with
- No harmful Organic Solvents
- No harmful preservative formulations
- No harmful Labelling required
- No toxic levels of acid required for effective stopping