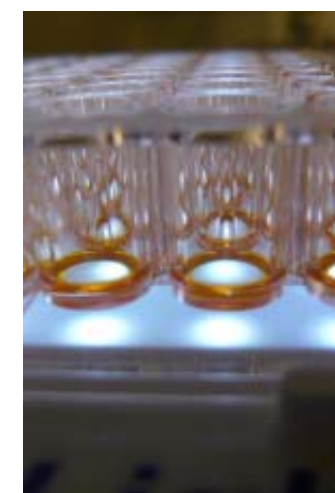
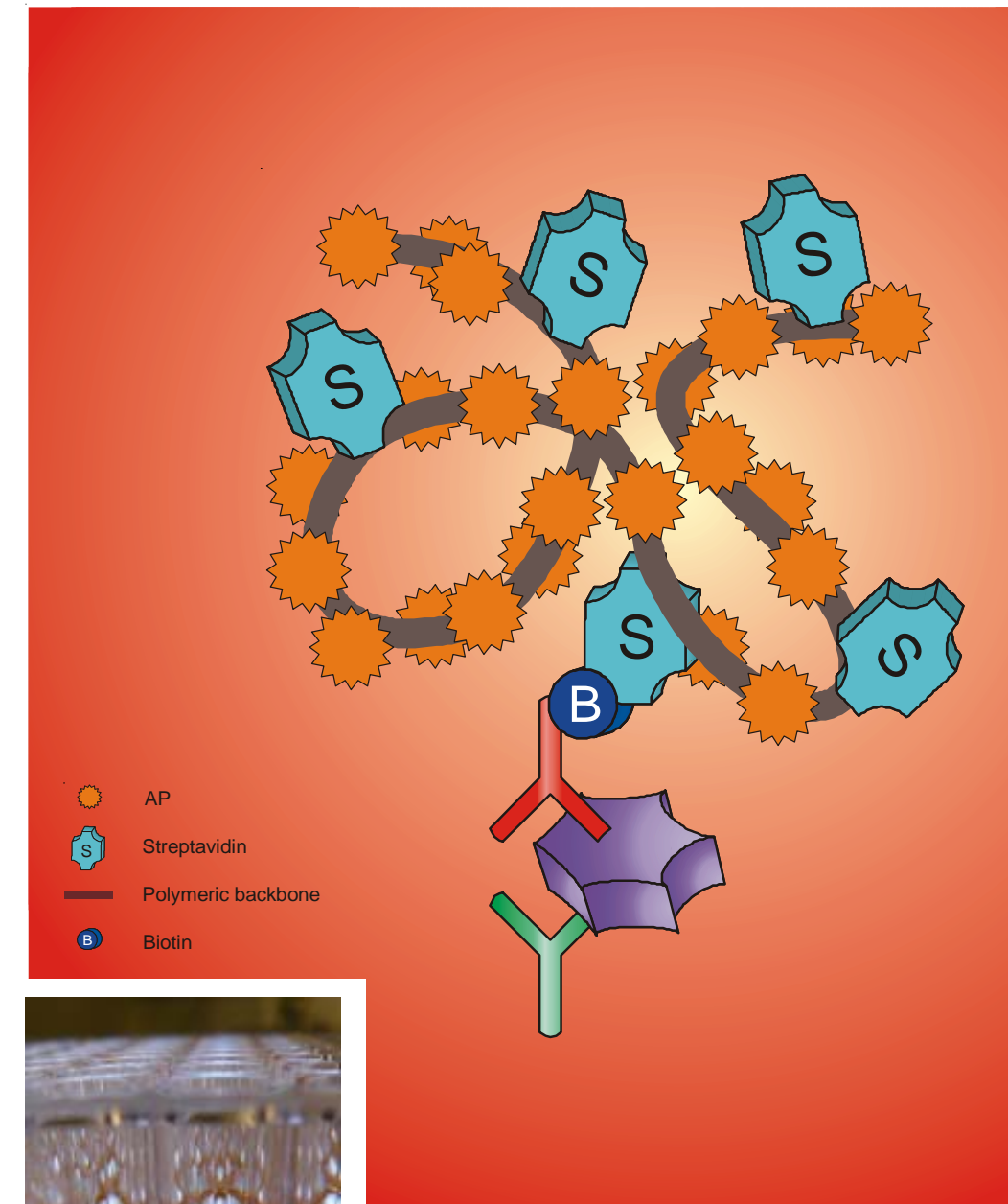




# Polymeric Conjugates

## Immunoassay Enhancers



### Ordering Guide

Biotin Binding Conjugates	Cat. No.	Amount
Enhanced Streptavidin-HRP™	4740N*	1 mg
Enhanced Streptavidin-AP™	5150N*	1 mg

\* Larger volumes can be provided as per customer agreement

**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.



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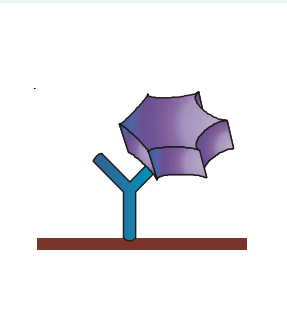
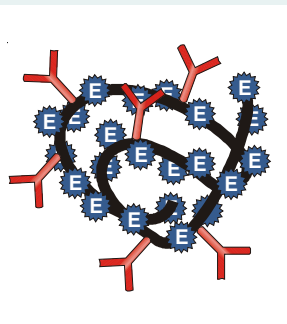
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*For better diagnosis and healthcare*



### Highly Improved Enzyme Labels

When developing an ELISA, the choice of reagents depends on the target molecule. In many cases the request is to detect only very small amount of the biomolecule and this possibility strictly relates to highly sensitive reagents available.

**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 a conventional conjugates.

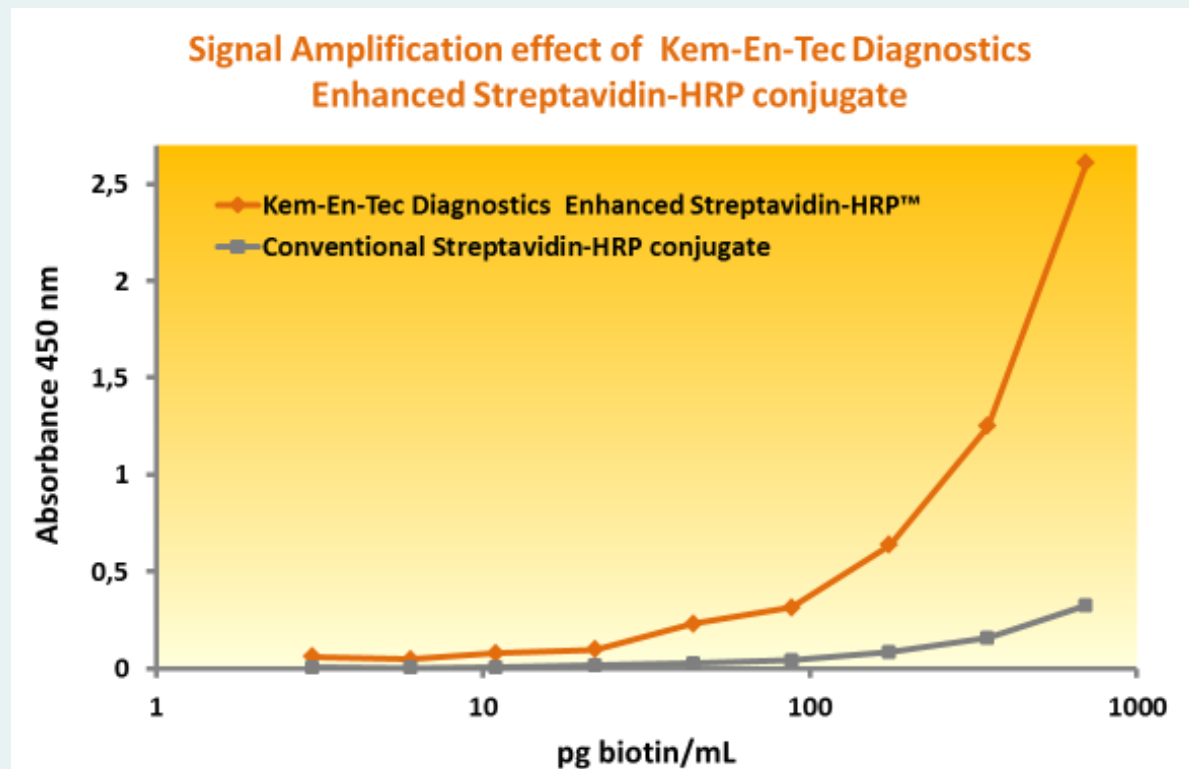
The Enhanced conjugates offer pg/fg sensitivity levels. The Enhanced conjugates works independently whether the test is based on routine colorimetric ELISA's or it exploits Chemiluminescence or other non-colorimetric development systems. In Immunoblotting, IHC & DNA probe detection, the polymer backbone must be fine-tuned. R&D partnerships are open for negotiation.

### Advantages

- Signal amplification
- Ultra sensitive detection
- Faster turn-around
- Improved cost structure

### Enhanced Conjugates

Biotin Binding Conjugates	Cat. No.	Concentration	Specificity	Detection molecule
Enhanced Streptavidin-HRP™	4740N	1 mg HRP/ml	Biotinylated probes	HRP
Enhanced Streptavidin-AP™	5150N	1 mg Conjugate/ml	Biotinylated probes	AP



### Products Proven for Industrial Use

Our Enhanced Conjugates have been used by the IVD industry for decades. The advantages are clearly evident and the products have proven their power in a highly demanding market place in different types of assays.

Typically the size of AP limits the number of enzymes that can be labeled to an Ab or SA.

The **Enhanced Streptavidin-AP** overcomes the conjugation and stability issues typical of AP, that are related to the large size of this molecule.

### We Recommend

- The optimal dilution factor must be found experimentally from 1:1.000 to 1:100.000 for the specific assay.
- When the highest amplification is required, use the **Antibody Enhancer™** for dilution and storage. However, please be aware that the **Antibody Enhancer™** cannot be used for dilution of Ab's directed against rabbit immunoglobulins.

- **Enhanced Streptavidin-HRP & Enhanced Streptavidin-AP conjugates** can successfully be diluted in UNI-StabilPLUS.
- Avoid batch-to-batch variations and day-to-day variation by preparing a stock solution in your own dilution.

### Storage & stability

Enzymes are fragile and will lose their activity with time.

All our conjugates are provided in a stabilized buffer for prolonged shelf life. The undiluted Enhanced Streptavidin-HRP™ is stable for at least 4 years while the Enhanced Streptavidin-AP™ is covered by a stability life time of 2 years. Storage: 2-8°C.

