

# StabilZyme® HRP Conjugate Stabilizer

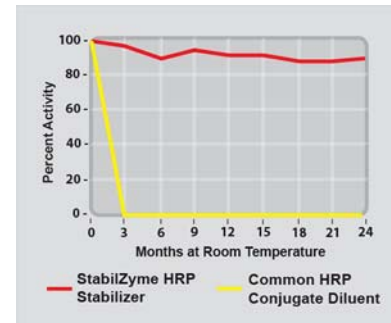


9924 West 74<sup>th</sup> Street  
Eden Prairie, MN 55344

StabilZyme® HRP Conjugate Stabilizer was developed specifically for Horseradish Peroxidase (HRP) conjugates in solution.

## Stability Data

The efficacy of StabilZyme HRP stabilizer was verified by real-time stability studies that included independent testing of the enzyme activity and the immunological activity by ELISA (see graph at right). The studies were conducted using a monoclonal IgG-HRP conjugate. Results of these analyses indicate superior performance of StabilZyme HRP stabilizer compared to a common HRP conjugate diluent. The monoclonal IgG-HRP conjugate retained over 90% of its activity when stored in StabilZyme HRP stabilizer for 24 months at room temperature.



## Properties

<b>Storage</b>	Product should be refrigerated or stored at room temperature. Please note that SurModics Stabilization Products are shipped to customers at ambient temperature. Extensive stability studies have shown that prolonged storage at ambient temperature will not affect the product quality or efficacy.
<b>Bovine Protein</b>	Yes
<b>Dry Weight (g/mL)</b>	0.100 - 0.115
<b>Product Buffer</b>	MOPS
<b>pH</b>	6.2 - 6.7
<b>Preservative</b>	0.02% methylisothiazolone, 0.02% bromonitrodioxane, 20 ppm ProClin™ 300 preservative
<b>Shelf Life</b>	2.5 years
<b>Acceptable Diluents</b>	Deionized water (PBS may cause precipitation)

## Applications

- StabilZyme HRP stabilizer is readily incorporated into virtually any assay production protocol. Conjugates can be added directly to StabilZyme HRP stabilizer and are then ready for storage and use. It is also an excellent diluent, and often decreases background and increases signal for improved signal-to-noise ratios.
- StabilZyme HRP stabilizer prevents the loss of catalytic activity while it maintains the conformation of the antibody or protein-antigen portion of the conjugate.

# StabilZyme® HRP

## Conjugate Stabilizer



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### **Recommendations for Use**

*The following are general guidelines only.*

1. Use StabilZyme HRP stabilizer straight or dilute 1:1 in deionized water. (Phosphate buffers cause precipitation at >10% total volume.)
2. Dilute your HRP conjugate to optimum concentration in the StabilZyme HRP solution.
3. Use diluted conjugate in your assay as normal.
4. Store the conjugate solution at 4-8°C. Protect from direct exposure to light.

### **Technical Assistance**

For technical inquiries, please email [IVDtechsupport@surmodics.com](mailto:IVDtechsupport@surmodics.com) or call (952) 829-2709.

### **Ordering Information**

To place an order for this product, please contact our customer service at:

Tel: (952) 829-2709  
Toll Free: (800) 755-7793  
Fax: (952) 829-2743  
Email: [orders@surmodics.com](mailto:orders@surmodics.com)  
Web: [www.surmodicsIVD.com](http://www.surmodicsIVD.com)

<b>StabilZyme HRP Conjugate Stabilizer is available in the following sizes:</b>	
<b>1000 mL</b>	<b>2000 mL</b>
<b>SZ02-1000</b>	<b>SZ02-2000</b>