

## KPL HRPStabilizer

Catalog No.  
5290-0005 (54-15-01)

Size  
200 mL

### DESCRIPTION

KPL HRPStabilizer has been formulated to extend the refrigerated shelf life of liquid horseradish peroxidase (HRP) conjugates.

### STORAGE/ STABILITY OF PRODUCT

Product is a ready to use liquid. The KPL HRPStabilizer is stable for a minimum of 1 year from date of receipt when stored at 2-8°C.

### APPLICATIONS

KPL HRPStabilizer can be used in ELISA, Western Blotting, Immunohistochemistry and any other applications which require HRP conjugates. It contains a minimum amount of a proprietary surfactant that should not affect performance in most applications. An anti-microbial agent has been added to hinder bacterial growth.

### PERFORMANCE

Samples of reconstituted conjugates (10 µg/ml and 100 µg/ml) are relatively stable at 2-8°C and room temperature for several months. (See "Stabilization of Peroxidase Conjugates in KPL HRPStabilizer" Technical Service Report for more details; [www.seracare.com](http://www.seracare.com)) In an internal study, samples of HRP conjugated antibody diluted to approximately 1 µg/mL retained about 90% of original activity for about 1 month and about 75% of the original activity for up to 1 year when stored at 2-8°C.

### USE

Dilute the conjugated antibodies in KPL HRPStabilizer to the stock concentration. Preparing enough reagent for multiple experiments decreases variability in day-to-day results. A slight decrease in enzyme activity may be noted during long term storage. This may be overcome by longer substrate development times.

1. Dilute the HRP conjugate to the stock concentration in the KPL HRPStabilizer.
2. Dilute the HRP conjugate to the use dilution in the assay system of choice following usual protocols.
3. Store the stock conjugate at 2-8°C. Protect from direct exposure to light.
4. SeraCare does not recommend freeze/thawing the conjugate when stored in KPL HRPStabilizer.

### TROUBLESHOOTING

A crystalline precipitate can form upon long term storage at 2-8°C. The precipitate can be removed by centrifugation or by filtering. This will not affect the stability of the conjugated antibodies.

### PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by the Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Product may be disposed via sanitary sewer.

### REFERENCE

Presentini, R. and Terrana, B. (1995) Influence of the Antibody-Peroxidase Coupling Methods on the Conjugates Stability and on the Methodologies for the Preservation of the Activity in Time. *J. Immunoassay*, 16(3), 309-324.

### RELATED PRODUCTS

	<b>CAT. NO.</b>
KPL APStabilizer	5290-0007 (55-15-00)
KPL BSA Diluent/Blocking Solution	5140-0006 (50-61-00)
KPL Milk Diluent/Blocking Solution	5140-0011 (50-82-01)
KPL 5X Detector Block	5920-0004 (71-83-00)

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.