

## HRP-Biotin Conjugate

Catalog number: 11022  
Unit size: 5 mg

Component	Storage	Amount
HRP-Biotin Conjugate	Refrigerated (2-8 °C), Minimize light exposure	5 mg

### OVERVIEW

Biotinylated horse radish peroxidase (HRP) is an excellent tool for biological detections with ELISA and other enzyme-coupled assays. Streptavidin selectively binds to biotin and the conjugated HRP provides enzyme activity for detection using an appropriate HRP substrate system via color, fluorescence, or luminescence. This product has been used primarily in ELISA applications to provide consistent measurement of streptavidin-conjugated detection antibodies.

### AT A GLANCE

Concentration: 5 mg/mL

Formulation: 1 mL in 1X PBS

Stabilizer: 1% bovine serum albumin and 0.01% thimerosal

Expiration Date: 12 months upon receiving

### PREPARATION OF WORKING SOLUTION

#### Streptavidin-HRP solution

To prepare 25 mL of Streptavidin-HRP solution for ELISA, mix the following reagents:

1x PBS with 0.02% Tween-20: 25 mL

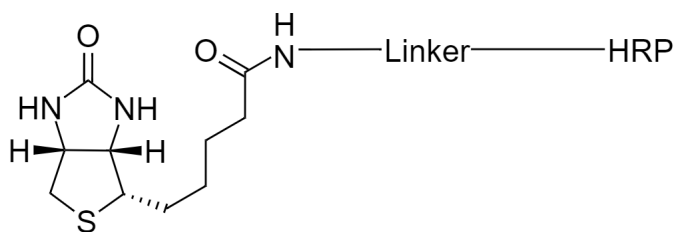
Biotinylated peroxidase (5 mg/mL): 1  $\mu$ L

Streptavidin (5 mg/mL): 2  $\mu$ L

Incubate the mix for 30 minutes at room temperature before use.

**Note** Discard unused diluted complex after 24 hours.

### EXAMPLE DATA ANALYSIS AND FIGURES



**Figure 1.** Chemical structure for HRP-Biotin Conjugate.

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