

# HRP-Protector™

If long-term stability of HRP-conjugates is important. HRP-Protector™ preserves enzymatic activity and conformation of your HRP- (horse radish peroxidase) conjugates.

- > for long-term stability
- > ready-to-use
- > Made in Germany

Stabilization of all active components is very critical to get reliable results with immunoassays. When assays are stored for long-term before use, it is especially important to ensure adequate stability. HRP-Protector™ works very well as a stabilizer. Additionally it is a very good assay buffer. This enables any user to store HRP-conjugates directly in ready-to-use concentrations, even when those concentrations are very low. This saves pre-dilution steps before doing an assay. HRP-Protector™ maintains the activity of conjugates of antibodies and of Neutravidin conjugated to HRP. Therefore it can be used in any assay, in which HRP is the detector enzyme. HRP-Protector™ decreases the variability often caused by changing shipping and storage conditions, thereby producing more consistent results with your diagnostic test kit. HRP-Protector™ can be easily incorporated into most assay protocols by substituting it for your conjugate diluent.

## Stability test

Stability „stress“ tests were performed with HRP-Protector™ using a monoclonal antibody conjugate (see fig. 1). HRP-conjugate of the antibody was stabilized either by a so far leading enzyme stabilizer product or by HRP-Protector™. Stress tests were performed at 45°C over a period of up to 143 days. Percent retained activity was determined by comparing the activity of the HRP-antibody conjugate bound to the analyte.

After 143 days incubation at 45°C with HRP-Protector™ the monoclonal antibody conjugate retained around 80% enzymatic HRP activity. This shows a shelf life at 4°C with approximately 80% enzymatic activity of more than 6 years by conservative correlation according to Arrhenius.

This is a very good stability and therefore HRP-Protector™ gives an optimum product safety for HRP containing immunoassays!

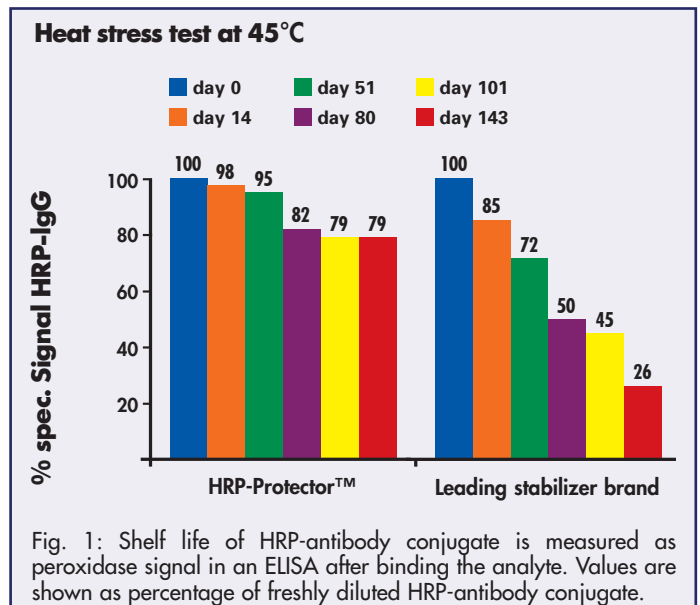


## Ready-to-use

Conjugates can be stored at very low end-user concentrations - saving pre-dilution steps. HRP-Protector™ is also available in bulk quantities to manufacturers of test kits.

**Preservative:** contains 0.1% ProClin® 300

**Available package sizes:** 50 ml order number 220 050  
125 ml order number 220 125  
500 ml order number 220 500



**CANDOR**  
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- optimising immunoassays
- ready-to-use buffers
- DIN EN ISO 9001 certified