HRP-Protector™ *(Cat. No. CR222-LS)*

Diluent for long-term storage of HRP conjugates

Storage:	2 - 8 °C
pH-value at 19.0 - 21.0 °C:	7.2 ± 0.2
Preservative:	contains < 0.0014 % [w/w] reaction mass of CMIT/MIT (3:1)
Expiry date when stored unopened:	see label on the bottle
	For general laboratory use

Instructions for use

HRP-Protector™ is ready-to-use. Please shake the buffer thoroughly before use.

Conjugates can be diluted and stored directly in *HRP-Protector*™ at end concentrations. Typical conjugate concentrations are in the range of 40 to 500 ng/ml. *HRP-Protector*™ can be used directly as assay buffer in immunoassays.

HRP-Protector™ is designed for interference-free assays. If background or false-positive signals occur - e.g. due to cross-reactivities, matrix effects or HAMA - we recommend the use of *LowCross*® *HRP-Stab* (Cat. No. CR270-LS) rather than *HRP-Protector*™. Suitability of *HRP-Protector*™ for a specific assay must be tested by the user.

Stability data of one peroxidase conjugate cannot be directly transferred to other conjugates. Each conjugate must be tested for its shelf-life in *HRP-Protector*™. If *HRP-Protector*™ is used in immunodiagnostic kits, the shelf life must be validated according to the applicable regulatory requirements for diagnostics.

HRP-Protector™ contains components that may interfere with commonly used conjugation methods, e.g. techniques that target primary amines or sulfhydryl groups. Suitability of *HRP-Protector*™ for any given conjugation method therefore needs to be tested in advance. We recommend diluting the biomolecules in *HRP-Protector*™ only after conjugation.

Please note that high protein concentrations and/or microbial contamination may reduce the effectiveness of the preservative. If you add antibodies/conjugates for storage in a non-sterile manner and you are unsure about potential microbial contamination, it may be beneficial to add additional preservative or also antibiotics.

Alternatively, *HRP-Defender*™ *(10x)* (Cat. No. CR321-LS) is available, a concentrated HRP stabilizer.

Note: CANDOR products are shipped at ambient temperature. Stability studies have demonstrated that prolonged exposure to ambient conditions does not affect product quality.

For further information please visit www.candor-bioscience.com.

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