HRP-Protector™

Product overview

Catalog number	CR222
Description	Diluent for long-term storage of HRP conjugates
Storage	2 – 8 °C (Does not tolerate freezing!)
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 RESEARCH OR FURTHER MANUFACTURING USE ONLY

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 (catalog no. CR270) 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. Therefore, each conjugate must be tested for its shelf-life in HRP-Protector™. If HRP-Protector™ is used for immunodiagnostic kits, the shelf life must be tested 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.

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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.

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