



*LowCross<sup>®</sup> HRP-Stab MILD protein-free*

*(article no. 371)*

*LowCross<sup>®</sup> HRP-Stab STRONG protein-free*

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**Assay diluent for long-term storage of HRP conjugates and for minimizing nonspecific binding, cross-reactivities and matrix effects in immunoassays**

Storage: 2-8°C

pH-value: 7.2 ± 0.2

Preservative: contains < 0.0014 % [w/w] reaction mass of CMIT/MIT (3:1)

Expiry date  
when stored unopened: please refer to the label on the bottle

**For research use only, not for diagnostic use**

**Instructions for use**

*LowCross<sup>®</sup> HRP-Stab* is ready-to-use. Please shake the buffer thoroughly before use. Conjugates can be diluted directly in *LowCross<sup>®</sup> HRP-Stab* in end-user concentrations. Typical concentrations of conjugates are in between 40 and 500 ng/mL.

**Appearance of signal reduction:**

In some cases a smooth reduction of the wanted signal can be observed. The *LowCross<sup>®</sup>-effect* reduces low- and medium-affinity binding. That means that by using polyclonal antibodies (which also contain low- and medium-affinity binding components) a smooth reduction of signals can appear.

In this case a moderate increase of the concentration of the antibody can lead to the previously seen signals. Unwanted low- and medium-affinity binding will be still reduced by *the LowCross<sup>®</sup>-effect*.

By using monoclonal antibodies with low- or medium-affinity binding, complete reduction of signal can occur. Therefore we recommend using suitable assay antibodies with high affinity.

Stability data of one peroxidase-conjugate cannot be transferred to other conjugates. Therefore every conjugate has to be tested for its shelf life in *LowCross<sup>®</sup> HRP-Stab<sup>®</sup>*. If *LowCross<sup>®</sup> HRP-Stab* is used for immunodiagnostic kits, the shelf life has to be tested according to the regulatory requirements for diagnostics, which apply.

Please note that high protein concentration and/or microbial contamination may lead to reduced effectivity of the preservative. If you add your conjugate/antibody for storage and you are not sure about the potential microbial contamination, it may be beneficial to add additional preservatives or antibiotics.

For further information please visit [www.candor-bioscience.com](http://www.candor-bioscience.com).

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