

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 (Does not tolerate freezing!)
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-HRP® is ready-to-use. Please shake the buffer thoroughly before use. Conjugates can be diluted directly in *LowCross-HRP®* 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®-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®-effect*.

By using monoclonal antibodies with low- or medium-affinity binding, complete reduction of signal can occur. Therefore we recommend using suitable 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-HRP®*. If *LowCross-HRP®* 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.

LowCross-HRP and LowCross are registered trademarks of CANDOR Bioscience.