

BlueCap Solutions LX-Buffer

Product description

Storage:	at +2 to +8°C or at -20°C (multiple freezing is possible)
pH-Value:	pH 7.2 ± 0.2
Shelf life:	see label on the bottle
Package sizes:	125 ml (Order No. S201.125) 500 ml (Order No. S201.500)

Instructions for use

The *BlueCap Solution LX-Buffer* is a diluent for antibody and samples to minimize non-specific bindings, cross-reactivities and matrix effects in ELISA, Western blotting, Immunohistochemistry or Protein arrays. The *BlueCap Solutions LX-Buffer* can be used additionally as a washing buffer – especially in delicate or interference-sensitive assays like immuno-PCR.

The *BlueCap Solutions LX-Buffer* is ready for use and should be mixed thoroughly before use. Standards and specimen for ELISA and protein arrays can be diluted with the *BlueCap Solutions LX-Buffer* at least 1:2 or higher. Standards and specimen should be treated strictly the same way. Antibodies can be diluted with the *BlueCap Solutions LX-Buffer* in a user-defined manner, depending on the recommendation of the data sheet of the antibodies. This is the same for primary and secondary antibodies.

In some cases, a smooth reduction of the wanted signal can be observed. The *BlueCap Solutions LX-Buffer* reduces low- and middle-affinity binding. That means that using low- and middle-affinity antibodies or polyclonal antibodies a smooth reduction of signals can appear. Polyclonal antibodies normally contain low- and middle-affinity binding components. In the case of polyclonal antibodies, a moderate increase of the concentration of the antibody can lead to the previously seen signals. Unwanted low and middle-affinity binding will be still reduced by the *BlueCap Solutions LX-Buffer*. In the case of low- and middle affinity monoclonal antibodies it can occur in a signal deletion. We recommend the use of suitable high affinity antibodies.

Regardless of the use of the *BlueCap Solution LX-Buffer*, it is necessary to saturate surfaces such as ELISA wells or membranes with a blocking buffer to avoid non-specific binding. For this purpose, we recommend the *BlueCap Blocking Solution* (Order No. S204.500).

We strongly recommend that the effectiveness of the *BlueCap Solutions LX-Buffer* for a certain application is tested before.

This product is for laboratory and research use only. It is not suitable for diagnostic or therapeutic applications.

BioGenes GmbH, Koepenicker Straße 325, 12555 Berlin, Germany
Tel. +49-30-6576 2396, Fax +49-30-6576 2397

BioGenes GmbH is certified according to ISO 9001:2015.