

LowCross-Buffer® Developer Kit

LowCross-Buffer® has been shown to efficiently minimise assay interference from:

- > HAMAs
- > Rheumatoid factors
- > Matrix effects

Interference is frequently caused by human anti-mouse antibodies (HAMA), rheumatoid factors (RF) and elevated levels of bilirubin, triglycerides and others. The varied sources of such interferences make it impossible to be addressed adequately solely by HAMA blockers. HAMA blockers are limited in their effectiveness only against HAMA. In contrast LowCross-Buffer® as an assay buffer can efficiently deal with a multitude of interferences including those caused by HAMA, thus substituting for HAMA-blockers. The unique formulation of LowCross-Buffer® helps to shield the specific signal from low or medium affinity cross-reactivities or interferences in immunoassays like an "affinity gate keeper". Minimisation of all these negative effects by LowCross-Buffer® upgrades the quality of the assay and improves the reliability of results. Diagnostic and pharmaceutical companies worldwide are successfully using LowCross-Buffer® as a cost-effective solution to minimise interference derived from multiple sources. It is used in ELISA, Western blotting, protein arrays, immunohistochemistry as well as in lateral flow assays. Furthermore it is used in fluorescence-bead based assays and SPR (surface plasmon resonance) assays.

Active against HAMA and Rheumatoid Factors:

The effectiveness of LowCross-Buffer towards HAMA and RF derived interferences has been quantified in a CE-certified ELISA (HAMA-ELISA, medac, Germany) using commercial HAMA and RF positive human blood samples (in.vent diagnostica, Germany). Depicted are the results obtained with 3 different standard formulations of LowCross-Buffer®. To account for differences in magnitude of interferences or the susceptibility of the type of matrix CANDOR offers either LowCross-Buffer MILD, CLASSIC or STRONG as the optimal solution for individual assay requirements.



LowCross-Buffer® Developer Kit:

The LowCross-Buffer® Developer Kit contains all three types of LowCross-Buffer® covering a broad spectrum of strengths thus allowing for a speedy and simple identification of the optimal LowCross-Buffer® formulation for a specific application. For most applications LowCross-Buffer® CLASSIC represents the best choice, for particularly challenging applications such as allergy, autoimmunity or infectious disease tests, however, either LowCross-Buffer® MILD or STRONG may yield superior results.

All LowCross-Buffer® formulations are available in bulk quantities to manufacturers of test kits.

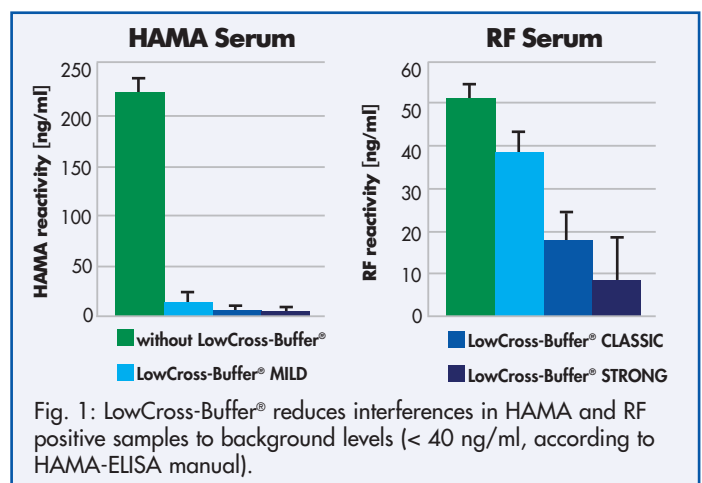


Fig. 1: LowCross-Buffer® reduces interferences in HAMA and RF positive samples to background levels (< 40 ng/ml, according to HAMA-ELISA manual).