



BSA-Block

Product description

Composition:	Standard blocker with BSA and Tween	
pH-value:	7.3 ± 0.2	
Preservative:	contains 0.045% ProClin® 300 (v/v)	
Storage:	shelf life (when stored unopened at -20°C):	1 year - tolerates repeated freezing and thawing cycles
	shelf life (when stored unopened at 2 - 8 °C):	1 year

For research use only, not for diagnostic use

Available

Package sizes:	125 mL	order number 115 125
	500 mL	order number 115 500

Instructions for use

BSA-Block saturates free binding capacities on plastic consumables and other surfaces like ELISA plates and blotting membranes. Thus a reduction of nonspecific binding to surfaces can be achieved. *BSA-Block* is the standard blocker for many applications. If a blocker on basis of BSA is efficient enough for an assay, *BSA-Block* is an alternative to universal useable and more complex blockers. *BSA-Block* can be used for ELISA, EIA, Western blotting, immuno-PCR and protein arrays.

Immediately before use the buffer should be mixed thoroughly.

BSA-Block is ready-to-use. Repeated freezing and thawing is possible. After immobilisation of capture antibody or target protein *BSA-Block* is added without dilution to wells or membranes.

Incubation time has to be adopted depending on surface characteristics by the user.

We recommend blocking over night at 4 °C, but in many cases shorter incubation is also promising.

After blocking the surface has to be washed with *Washing Buffer* to make it useable for the next working steps.

If you get background due to nonspecific binding even when using *BSA-Block*, we recommend using the much more efficient product *The Blocking Solution* (order number 110 050, 110 125 and 110 500).

Efficiency of blocking is significantly improved with *The Blocking Solution* in comparison to standard blocking procedures in many assays. This is achieved by the special production method of CANDOR Bioscience, which leads to casein fragments with many different molecular sizes. It is made by chemical modification from highly purified casein. Thus you get a maximum of blocking efficiency and reproducibility. *The Blocking Solution* is useable for blocking surfaces in all immunoassays, whereas *BSA-Block* leads to sufficient results in unproblematic assays.

Background and nonspecific binding can not only occur at surfaces, but also between antibodies and components of complex specimen. In this cases only an assay buffer, which is used for the immunological detection reaction, can give satisfactory results. Therefore we recommend *LowCross-Buffer*® (order number 100 050, 100 125 and 100 500) for optimal results for measurements of complex and important specimen. *LowCross-Buffer*® has an effect like a filter for binding, which doesn't affect high affinity binding in any way, but depletes nonspecific binding and interference like matrix effects and cross reactivities.

For further information please visit www.candor-bioscience.com.

ProClin is a registered trade mark of Rohm and Haas Company.

LowCross-Buffer is a registered trade mark of CANDOR Bioscience GmbH.