



## CANDOR Blocking Sampler Package

**For ELISA, EIA, RIA, Protein Arrays, Western Blotting and Immuno-PCR**

### CANDOR Blocking Test Package Small

contains: 50 ml The Blocking Solution  
50 ml BSA-Block  
50 ml SmartBlock™

order number: 600 021

### CANDOR Blocking Test Package Large

contains: 125 ml The Blocking Solution  
125 ml BSA-Block  
125 ml SmartBlock™

order number: 600 022

Plastics surfaces or other protein binding surfaces are saturated by blocking of free binding sites. Thus nonspecific binding to surfaces is reduced. A good saturation has an important impact on the sensitivity and reproducibility of an immunoassay. Therefore the correct choice of the blocking buffer is essential to get good results in an assay.

Optimised saturation can improve the sensitivity and minimise nonspecific binding to surfaces.

CANDOR offers three different blocking buffers, which meet the different requirements of different assays, analytes as well as matrices. This *CANDOR Blocking Sampler Package* is designed for testing and choosing the best blocking buffer for your specific assay.

If you want to measure real specimen like blood, serum or tissue specimen, you should test the different blockers not only with the standards, but also with some of the real specimen. In such a short validation with real samples, you get the best impression, which blocker to choose for best results in your specific situation.

### The Blocking Solution

*The Blocking Solution* is based on a chemically modified, highly purified casein. The active ingredients of *The Blocking Solution* are casein-fragments of a wide spectrum of different molecular weights. This leads to a very high blocking efficiency of *The Blocking Solution* compared to standard blockers.

composition:	low-molecular weight casein fragments of high purity with NaCl and Tween	
pH-value:	pH 7.2 ± 0.2	
preservative:	contains 0.045% ProClin® 300	
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

## **BSA-Block**

BSA-Block is the standard blocker for many applications. If a blocker on basis of BSA (bovine serum albumin) is efficient enough for an assay, BSA-Block is an alternative to universal useable and more complex blockers.

composition:	Standard-Blocker with BSA and Tween	
pH-value:	pH 7.3 ± 0.2	
preservative:	contains 0.045% ProClin® 300	
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

## **SmartBlock™**

SmartBlock™ prevents in many assays nonspecific and unwanted binding to surfaces. Problems of interactions and cross-reactivities arising from BSA, which is present in many blocking buffers are a priori avoided by the use of SmartBlock™, as it is devoid of serum proteins such as BSA.

composition:	free of serum proteins like BSA, free of phosphate	
pH-value:	pH 7.0 ± 0.5	
preservative:	contains 0.045% ProClin® 300	
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 instructions for use please follow the package inserts of the three products.**

ProClin is a registered trademark of Rohm and Haas.  
LowCross-Buffer is a registered trademark of CANDOR Bioscience GmbH.

**The included products are available separately in the following package sizes:**

### **The Blocking Solution**

50 ml	order number: 110 050
125 ml	order number: 110 125
500 ml	order number: 110 500

### **BSA-Block**

125 ml	order number: 115 125
500 ml	order number: 115 500

### **SmartBlock™**

125 ml	order number: 113 125
500 ml	order number: 113 500

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