

**BSA-free blocker for saturating free binding sites on plastic surfaces or other protein binding surfaces**

Storage:	2-8°C or -15 to -30°C (tolerates repeated freezing and thawing cycles)
pH-value:	7.0 ± 0.5
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 general laboratory use****Instructions for use**

*SmartBlock™* is ready-to-use. Please shake the buffer thoroughly before use.

**Saturation / Blocking of microtiter plates**

1. If the plate was treated with reagents containing detergents please wash the plate 3 times in a wash buffer free of detergents (e.g. *Washing Buffer TRIS without detergents*, article number 146 or *Washing Buffer PBS without detergents*, article number 141). If you have only used *Coating Buffer* (article number 120 or 121) aspirate *Coating Buffer* or empty plates by tapping firmly onto paper cloth.
2. Add 200-300 µL *SmartBlock™* to each well. Incubate at room temperature for 1-4 hours or overnight (mostly one hour is quite enough). Duration of blocking can be minimized by shaking the plate at 600-900 rpm. Duration of blocking depends on characteristics of used surface and has to be tested individually.
3. Aspirate *SmartBlock™* or empty plates by tapping firmly onto paper cloth. Wash 3 times in wash buffer containing a non-ionic detergent, e.g. *Washing Buffer TRIS*, article number 145 or *Washing Buffer PBS*, article number 140.

**Saturation / Blocking of membranes**

1. If the membrane was treated with reagents containing detergent please wash the membrane 3 times in a wash buffer free of detergents (e.g. *Washing Buffer TRIS without detergents*, article number 146 or *Washing Buffer PBS without detergents*, article number 141).
2. Incubate membrane in *SmartBlock™* at room temperature for 1-4 hours or overnight (mostly one hour is quite enough). Time of blocking depends on characteristics of used membrane and has to be tested individually.
3. a) Wash membrane 3 times in a wash buffer containing a non-ionic detergent, e.g. *Washing Buffer TRIS*, article number 145 or *Washing Buffer PBS*, article number 140.

or

b) add antibody for detection and continue incubation and detection.

Suitability of *SmartBlock™* for a specific assay has to be tested by the user.

In case satisfying results cannot be obtained with the *SmartBlock™*, e.g. if your assay measures analytes in plasma, serum or tissue specimen, we strongly recommend using *The Blocking Solution* (article number 110).

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