

The Blocking Solution

(article no. 110)

Casein-based blocker for saturating free binding sites on plastic or other protein binding surfaces and for minimizing nonspecific binding to surfaces

Storage:	2 – 8 °C or -15 to -30 °C (tolerates repeated freezing and thawing cycles)
pH-value at 19.0 – 21.0 °C:	7.2 ± 0.2
Preservative:	contains < 0.0014 % [w/w] reaction mass of CMIT/MIT (3:1)
Expiry date when stored unopened:	see label on the bottle

For general laboratory use

Instructions for use

The Blocking Solution is ready-to-use.

After prolonged storage of the bottle at 2 – 8 °C, whitish fragments settle in the bottle and form streaks. This streak formation has no negative influence on the quality and function of *The Blocking Solution*. Please make sure to shake the buffer thoroughly before use.

After immobilization of the capture antibody or capture antigens, *The Blocking Solution* is added undiluted to the wells of the microtiter plate. Incubate at room temperature for 1 - 4 hours or overnight. Depending on the assay, shorter incubation times may also be possible after appropriate testing. Note: The blocking time can be further reduced by shaking the plate at 600 - 900 rpm, depending on the application. The blocking time depends on the properties of the surface to be blocked and the ambient conditions and should therefore be tested experimentally.

After blocking, the surface is washed to remove *The Blocking Solution*. The surface (e.g. microtiter plate or blotting membrane) can then be used for the next steps.

After blocking, the coated antibodies or antigens can be stabilized by using *Liquid Plate Sealer*[®] (article no. 160) for long-term storage of the plates at 2 – 8 °C. After stabilization with *Liquid Plate Sealer*[®], a shelf life of several years can be achieved with most antibodies or antigens.

The suitability of *The Blocking Solution* for the respective assay and the respective antibodies must be tested by the user.

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

Liquid Plate Sealer is a registered trade mark of CANDOR Bioscience GmbH.