PlateBlock™ *(Cat. No. CR112-LS)*

Animal-free and protein-free blocker for saturating free binding sites on plastic surfaces, optimized for reducing background in serological assays.

Storage:	2 - 8 °C or -15 to -30 °C (tolerates repeated freezing and thawing cycles)
pH-value at 19.0 - 21.0 °C:	7.4 ± 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

PlateBlock™ is ready-to-use. Please shake the buffer thoroughly before use. *PlateBlock*™ is a blocker for surfaces and must not be used for dilution of samples or assay antibodies.

Saturation / Blocking of microtiter plates

1. After immobilization in *Coating Buffer* (Cat. No. CR120-LS or CR121-LS) plates are emptied by aspiration or by firmly tapping the plate onto paper cloth. For optimal results, plates should not come in contact with detergent prior to blocking.

2. Add 200 - 300 µl *PlateBlock*™ to each well. Incubate at room temperature for 2 hours for optimal saturation in most applications. Incubation time can be minimized by shaking the plate at 600 - 900 rpm. The duration of blocking depends on the properties of the surface to be blocked and the ambient conditions and should therefore be tested individually. Overnight incubation is possible.

3. Aspirate *PlateBlock*™ or empty plates by firmly tapping onto paper cloth. For optimal blocking results in serological assays, wells should not be washed between blocking and stabilization with *Liquid Plate Sealer*® (Cat. No. 160) or application of samples. For other assay formats, washing 3 times in wash buffer containing a non-ionic detergent, e.g. *Washing Buffer TRIS* (Cat. No. CR145-LS) or *Washing Buffer PBS* (Cat. No. CR140-LS), may prove beneficial.

Suitability of *PlateBlock*™ for a specific assay must be tested by the user.

For very small capture antigens in antigen-down-assays, slight reductions in signal intensity due to masking of coated antigens by *PlateBlock*™ may be observed. However, *PlateBlock*™ still increases the signal-to-noise-ratio in these assays due to a disproportionate reduction in background signals according to experience.

In case satisfying results cannot be obtained with *PlateBlock*™, e.g. if your specific surface cannot be blocked sufficiently to reduce background signals to an acceptable level, we strongly recommend using *The Blocking Solution* (Cat. No. CR110-LS) and/or exchange of the assay diluent to *LowCross-Buffer*® (Cat. No. CR100-LS).

Note: CANDOR products are shipped at ambient temperature. Stability studies have demonstrated that prolonged exposure to ambient conditions does not affect product quality.

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

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