

PRODUCT DATA SHEET

PLATE BLOCKER / STABILIZER BLOCKERWELL

1. Description

The BlockerWell maintains and protects the conformation and activity of dried proteins and other biomolecules coated on plate wells to prevent degradation, denaturation and leaching, while simultaneously blocks any free binding sites left on the surface to reduce non-specific binding. Therefore separate blocking of the surface is not necessary. The Biomat BlockerWell is ready-to-use and efficiently blocks any free binding sites left on the microwell surface after coating.

Code	Size	Physical state
300-2-100	100 ml	liquid
300-2-500	500 ml	liquid
300-2-1000	1000 ml	liquid

2. Features

Slightly yellow
Free of BSA (Bovine Serum Albumin)
Free of harmful organic solvents, azide, mercury and other toxic compounds
Preserves and protects biological activity of proteins and other biomolecules
Stabilizes and preserves microwell surface after coating
Prevents degradation, denaturation and leaching of proteins and other biomolecules
Blocks any free binding sites
Eliminates intermediate washing steps
Ready-to-use
Negligible differences lot to lot

3. Specifications

Activity	Biologically inactive
Background	Abs. < 0.05 O.D. at 450 nm
pH	5.60 – 6.00
Colour	Slightly yellow

4. Stability and storage

4 years at 2-8 °C	
Other information	All lots are tested
	Certificate of Quality is released for every lot

HOW TO USE

Immobilize or adsorb your protein to the plate surface according to an optimized method and incubate as usual.

- a) after the coating incubation time, **without emptying the wells**, add 100 – 200 µl of BlockerWell and incubate the plates for 10 – 15 minutes at room temperature.

(Incubation time can be reduced to 30 seconds for large productions)

or

- b) after the incubation time empty the wells and, **without washing the plates**, add immediately 200 – 300 µl of BlockerWell and incubate the plates for 10 – 15 minutes at room temperature.

(Incubation time can be reduced to 30 seconds for large productions)

However you can prolong the incubation time of BlockerWell until hours without affecting the activity of the coated protein.

If you use an automatic equipment adjust the pump speed to ensure maximum mixing of the reagents.

The plate is then emptied by inversion or aspiration without tapping and is ready to dry **without any further washing steps**.

Then, dry the plate as follows:

- overnight at room temperature without covering the plate in a humidity controlled chamber (less than 15% humidity)
- in a sealed container at 30°-37°C (2-4 hours)
- in a vacuum oven at 37°C (2-4 hours)

After drying, pack the plate in a bag with desiccant. The ELISA plate is now blocked and long term stable.

It is recommended to evaluate whether it is necessary to prewash the plates prior to use.

Product Data Sheet subject to change without notice.

For detailed technical information visit www.biomat.it