

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 and simultaneously blocks any free binding sites left on the surface to reduce non-specific binding.

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
300-2-1000	1000 ml	liquid

2. Features

Colourless
Protein free
Preserves and protects the 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
Negligible differences lot to lot
Ready-to-use

3. Specifications

Activity	None
pH	6.00 – 7.5
Colour	Colourless

4. Stability and storage

2 years at 2-8 °C Once opened, store at +4°C for up to 3 months.	
Other information	All lots are tested
	Certificate of Quality is released for every lot

HOW TO USE

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

- a) At the end of the coating step incubation wash the plate according to in-house procedures
- b) Add Biomat BlockerWell to the wells (typically wells are blocked with 200-250 µl of blocking solution)
- c) Incubate the plate for 1 hour at room temperature or overnight at + 4 °C
- d) Empty the plate by inversion or aspiration. DO NOT wash hereafter

Then, dry the plate as follows:

- o overnight at room temperature without covering the plate in a humidity controlled chamber (less than 15% humidity)
- o in a sealed container at 30°-37°C (2-4 hours)
- o in a vacuum oven at 37°C (2-4 hours)
- e) Immediately after drying, pack the stabilized microwell plate in an airtight and moisture proof container or bag with a 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