

## PRODUCT DATA SHEET

### SAMPLE DILUENT FOR BIOMOLECULES

0.1M PBS pH 7.2 + BSA

#### 1. Description

The Sample Diluent is a specific buffer solution for proteins or antibodies that are evaluated in the first step of a two-steps indirect ELISA assays. The use of an appropriate antibodies/proteins diluent helps to reduce the background and minimizes non-specific binding in both ELISA and Western blotting assays.

The Biomat Sample Diluent for biomolecules is ready-to-use.

Code	Size	Physical state
400-1-100	100 ml	liquid
400-1-500	500 ml	liquid
400-1-1000	1.000 ml	liquid

#### 2. Features

Composition: 0.072 M Na <sub>2</sub> HPO <sub>4</sub> 0.028 M NaH <sub>2</sub> PO <sub>4</sub> • H <sub>2</sub> O 145 mM NaCl 1.0 % BSA
Contains 0.09% Sodium Azide
Minimizes non-specific binding
Reduces the background
DO NOT USE with HRP conjugates
Ready-to-use
Negligible differences lot to lot

#### 3. Specification

pH	7.2 ± 0.2 at 25°C
Colour	Clear solution, slightly yellow

#### 4. Stability and storage

12 months at 2-8 °C (tolerates repeated freezing and thawing cycles) – <b>Shipping condition:</b> Room temperature	
Other information	It should not be used in applications where BSA interferes with the assay
	All lots are tested
	Certificate of Quality is released for every lot



## HOW TO USE

The Biomat Sample Diluent for biomolecules has to be warmed up to room temperature and has to be mixed gently before preparing its use.

Dilute your proteins or other biomolecules in this buffer solution according to your ELISA test, mix and use for your first incubation step.

Proceed as usual.

Any user should optimize its own incubation procedure because the optimal incubation time can differ depending on biomolecules as well as on surface.

Product Data Sheet subject to change without notice.

For detailed technical information visit [www.biomat.it](http://www.biomat.it)