

## PRODUCT DATA SHEET

### STOP SOLUTION for TMB Substrate

H<sub>2</sub>SO<sub>4</sub> 0.5 M

#### 1. Description

The Stop solution is a sulphuric acid solution for colorimetric ELISA using TMB (3,3',5,5' - tetramethylbenzidine) substrate.

In the ELISA assays, in presence of HRP (horseradish peroxidase) enzyme conjugates, TMB and peroxide react to produce a blue colour. The colour intensity is proportional to the amount of HRP activity, which in turn is related to the levels of target analyte. Addition of Stop Solution changes the blue colour to yellow (absorbance maximum at 450 nm), stabilizing the colour development to enable accurate measurement of the intensity at 450 nm using a spectrophotometer or plate reader.

The Biomat Stop Solution is ready-to-use.

Code	Size	Physical state
600-1-100	100 ml	liquid
600-1-1000	1.000 ml	liquid

#### 2. Features

Composition: 0.5 M H <sub>2</sub> SO <sub>4</sub>
Suitable to stop the TMB enzyme substrate reaction in ELISA
Ready-to-use
Negligible differences lot to lot

#### 3. Specifications

Colour	Colourless
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#### 4. Stability and storage

24 months at room temperature or 2-8 °C – <b>Shipping condition:</b> Room temperature	
Other information	Wear protective gloves, clothing and face protection. Wash hands thoroughly after handling. Refer to the MSDS prior to use. Discard if solution becomes cloudy. All lots are tested



## HOW TO USE

The Biomat Stop Solution has to be warmed up to room temperature before use.

Following TMB incubation, add directly to wells an amount of Stop Solution equal to the amount of TMB substrate added to each well of the ELISA plate.

Measure the colour intensity at 450 nm using a spectrophotometer or plate reader.

If the colour in the wells does not appear to be uniform, gently tap the plate to ensure thorough mixing.

Product Data Sheet subject to change without notice.

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