

TMB Solutions

HRP substrate solutions for ELISA

User's Manual

Beacle, Inc.
KYOTO JAPAN

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Cautions

1. Research use only. Do not use for medical purpose.

(1) Introduction

TMB is used as POD (such as HRP) substrate in ELISA. Beacle Inc. has developed two types of TMB substrate solution; one reagent type which is ready-to-use, and two reagent type which need mixing of two solutions but economical.

●Features●

1. Selectable from two types
2. Reasonable pricing
3. High linearity of response
4. Good storage stability

(2) Product information

The products are listed in the table. This manual is applied to the product listed in the table.

Product #	Product name	content
BCL-TMB-01	TMB solution (1reagent type)	250mL
BCL-TMB-21	TMB solution (2 reagent type)	250mL each

(3) Storage

Store at 4°C.

(4) How to use

TMB solution (1 reagent type)

1. Prepare microplates so that chromogenic reaction is ready to start.
2. Remove the TMB solution bottle from refrigerator, and transfer required amount into reservoir. Please return TMB solution bottle to the refrigerator as soon as possible.
3. From the reservoir, add 100 μ L of TMB solution into wells of microplate by using 8-channel pipette, and let it stay for 30 min in light-tight container at room temperature. Blue colors appear during this stage.
4. After incubation, stop the reaction by adding 50 μ L of 2M H₂SO₄. The color changes from blue to yellow. Read absorbance at 450nm by plate reader.

TMB solution (2 reagent type)

1. Prepare microplates so that chromogenic reaction is ready to start.
2. Remove the TMB solution bottles from refrigerator; transfer half of required amount into reservoir from Solution A bottle, other half from Solution B bottle, and mix well. Please return TMB solution bottles to the refrigerator as soon as possible.
3. From the reservoir, add 100 μ L of TMB solution into wells of microplate by using 8-channel pipette, and let it stay for 30 min in light-tight container at room temperature. Blue colors appear during this stage.
4. After incubation, stop the reaction by adding 50 μ L of 2M H₂SO₄. The color changes from blue to yellow. Read absorbance at 450nm by plate reader.

(5) Contact information

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