

# ELISA Starter Accessory Package

For use with ELISA Quantitation Kits



**Catalog No.**    **Size**  
E101              1000 wells

## Kit Materials

### 1. Microtiter Wells

Nunc MaxiSorp C bottom well Modules &  
Frames, #445101  
10 - 96 well plates  
5 - 8 well strips

### 2. Coating Buffer

Carbonate-bicarbonate buffer capsules, Sigma  
Chemical #C3041  
Package of 2  
Store prepared coating buffer at room temperature  
for up to one year.

### 3. Wash Solution

50 mM Tris buffered saline, pH 8.0, 0.05% Tween  
20; Sigma Chemical # T9039  
3 Packets  
Store prepared wash solution between 2 - 30 ° C  
for up to one year.

### 4. Postcoat Solution

50 mM Tris buffered saline, pH 8.0, 1% BSA;  
Sigma Chemical # T6789  
1 Packet  
Store between 2 - 8 ° C for up to one year.

### 5. Sample/Conjugate Diluent

Use Postcoat Solution plus 10% Tween 20;  
Sigma Chemical # P7949  
1 - 10 ml vial  
Store between 2 - 8 ° C for up to one year.

### 6. Enzyme Substrate

TMB Peroxidase Substrate & Peroxidase Solution B;  
Kirkegaard & Perry  
2 - 60 ml bottles:  
1 TMB substrate  
1 Solution B  
Store bottles between 2 - 8 ° C for up to one year.

## Applications

The ELISA starter accessory kit is used with Bethyl  
Quantitation ELISA kits for the determination of a  
specific antigen in serum or other biological samples.

## Buffer Preparation

### Coating Buffer

Dissolve the contents of 1 capsule in 100 ml of  
distilled water = 0.05 M carbonate-bicarbonate, pH  
9.6. Store prepared coating buffer at room  
temperature for up to one year.

**Do not add the capsule to your solution.**

### Wash Solution

Dissolve each packet in 1 L of distilled water.  
Store at 2 - 30 ° C for up to one year.

### Postcoat Solution

Dissolve the packet in 1 L of distilled water.  
Store between 2 - 8 ° C for up to one year.

### Sample/Conjugate Diluent

Add 0.5 ml to 100 ml Postcoat Solution for use as  
Sample and Conjugate Diluent.  
Store between 2 - 8 ° C for up to one year.

### Enzyme Substrate

Mix equal volumes of each reagent. Make up only  
the quantity required for the current assay.  
Store between 2 - 8 ° C for up to one year.

## Notes

2 M H<sub>2</sub>SO<sub>4</sub> is needed to stop the enzyme substrate  
reaction but is not included in this kit.

Country of Origin: USA

FOR RESEARCH USE ONLY.  
NOT FOR USE IN DIAGNOSTIC PROCEDURES.

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## MATERIAL SAFETY DATA SHEET

### Contents Description

This product contains various buffers and TMB substrate used for running ELISA. There are no preservatives (i.e.,  $\text{NaN}_3$  or Thimerosal) added.

### Hazardous Ingredients

Buffers - No known toxicity for any of the buffers.

TMB substrate - This product contains N,N-Dimethylformamide. Can cause eye and skin irritation. Wash all affected areas with large volumes of water. If swallowed consult your physician immediately. If inhaled remove to fresh air. If necessary, give artificial respiration by mouth-to-mouth.

The above information is believed to be correct but does not purport to be all inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.

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