

## TMB Precipitating Reagent (For Membranes)

**Description:** This liquid substrate for peroxidase consists of tetramethylbenzidine (TMB) plus dilute hydrogen peroxide in a single-reagent stabilized form. The reagent has been specifically formulated for measuring peroxidase on membranes and other surfaces. When reacted with peroxidase, the result is an insoluble blue reaction product. This reagent is not designed for use in microwell applications.

Form: 3,3',5,5'-tetramethylbenzidine

Contents: TMB in an aqueous buffer, pH  $3.6 \pm 0.2$ . Hydrogen peroxide 0.03%.

Activating Agents: Peroxidase

Light Sensitivity: Negligible for short exposure times

**Uses:** Immunoblot

**Limitations:** Do not use past expiration date.  
Do not expose to light.  
Do not pour unused reagent back into container.

**Availability:**

<u>REF #</u>	<u>Volume</u>
TMP125	125 ml
TMP500	500 ml
TMP999	1000 ml
TMP-10000	10 liters
TMP-20000	20 liters

**Storage:** Store TMB solution at 2 - 8°C.  
Reagents are stable for at least 12 months when stored at room temperature, or 24 months when stored at 2 - 8 C.  
Avoid contamination of reagents with labware which has not been thoroughly cleaned.

Storage: 2° C



8° C



ScyTek Laboratories, Inc.  
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## Instructions For Use TMP-IFU

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Page 2 of 2

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- Procedure:** TMB Precipitating Reagent (For Membranes) is supplied as a ready to use solution. Use enough reagent to completely cover membrane surface.
- Reaction Time: Approximately 15 minutes (Range 5 - 60 min.)
- Reaction Temperature: Room temperature
- Stopping Solution: To stop reaction, rinse membrane thoroughly in reagent grade water.
- Reaction Stability: Stopped reactions are stable for at least 30 minutes. Reaction should be monitored and read immediately after stopping.

- Precautions:** Do not expose reagents to strong light.  
Keep bottle tightly capped.  
Do not pipette reagents by mouth.  
Avoid contact with skin and eyes.  
In case of contact, flush with plenty of water.  
Dispose of reagents according to local regulations.  
If disposed of in the sink, flush with plenty of water.

Storage: 2° C



8° C



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