

PRODUCT INFORMATION

TMB ready-to-use substrate for Blotting **Cat. No.: 37070**

PRODUCT DESCRIPTION

The TMB concentrate is a chromogenic substrate for the detection of horse-radish peroxidase (HRP) in membrane-bound assays.

The substrate produces an insoluble reaction product which deposits bluish precipitates on the immobilized HRP in membrane applications.

Direction to use:

The substrate is supplied ready-to-use in 1x concentration. Contains non-toxic-stabilizers. **DO NOT DILUTE.**

Warm to assay temperature prior to use. Avoid exposure to direct sunlight. Discard if solution becomes blue or turbid.

Procedure:

- After reaction with HRP labeled probe, wash tissue sections or blot membrane thoroughly with buffer, e.g. Tris/HCl or TBS containing 0.1 % Tween 20

NOTE: Do not use reagents containing thimerosal or phenolic compounds as preservatives.

- Cover the membrane with TMB solution and incubate with gentle rocking 5-30 minutes (longer incubations may be necessary depending upon enzyme activity).
 - Stop reaction by washing thoroughly in reagent grade water. **DO NOT WASH WITH BUFFER SOLUTIONS OR TAP WATER.** These will cause fading. **DO NOT USE ACIDS TO STOP THE REACTION.** Acids will turn the bands yellow. Excessive background staining indicates incomplete removal of non-bound HRP from membranes. Increase the wash steps or washing time to remedy this problem.
 - Store dried membranes protected from light.
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Storage: at +2 °C to +8 °C.

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