

TMB Membrane Enhancer

Kirkegaard & Perry
Laboratories



Catalog No.

50-77-01

Size

40 ml

DESCRIPTION

TMB Membrane Enhancer is a component of the TMB Membrane Peroxidase Substrate System which allows the substrate to precipitate. TMB Membrane Peroxidase Substrate develops a dark blue stain on membrane sites bearing horseradish peroxidase. It is not recommended for immunohistochemical staining assays. See KPL's catalog for appropriate substrates.

FORM

This product consists of 40 ml of TMB Membrane Enhancer.

STORAGE /STABILITY

Store components at 2- 8°C. Stable for a minimum of 1 year from date of receipt when stored at 2-8°C.

CONTENT

TMB Membrane Enhancer is a proprietary formulation.

APPLICATIONS

TMB Membrane Peroxidase Substrate System is a precipitating substrate ideally suited for use in blotting procedures. The substrate may be adapted for use as a soluble substrate for ELISA by omitting the TMB Membrane Enhancer.

USE

Preparation:

Mix one part of the TMB Membrane Enhancer with five parts each of the TMB Peroxidase Substrate and the Peroxidase Solution B in a glass container prior to use. (i.e.5 ml Enhancer + 25 ml TMB Peroxidase Substrate + 25 ml Solution B, to yield a total volume of 55 ml). The substrate solution should be clear. Warm to room temperature before use.

Recommended Substrate Volume: Immerse membrane using approximately 1 ml substrate per 10 cm² membrane.

Substrate Development: Following incubation with peroxidase labeled conjugate, wash membrane thoroughly. Incubate membrane in substrate for 5-15 minutes, or until desired color is achieved. Incubation times will vary depending on your assay.

To Stop Substrate Reaction: Stop reaction by immersing membrane in reagent quality water for 20-30 seconds. The reaction should be stopped before background color becomes too intense resulting in insufficient contrast between positive staining and background.

Membrane Storage: Dry membrane thoroughly, seal with clear plastic and store in the dark to minimize fading.

To Reduce Substrate Sensitivity: High background or fading of the color in a few hours are signs of overreaction with TMB Membrane Substrate. To reduce the intensity of the substrate reaction, it is recommended that the conjugate and/or antibodies in the immunoassay be further diluted. Dilution of the substrate is not recommended.

PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by the Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Product may be disposed via sanitary sewer.

RELATED PRODUCTS

1 Component TMB Membrane Substrate	Cat. No. 50-77-03
Milk Diluent/Blocking Solution Concentrate	Cat. No. 50-82-00
Wash Solution Concentrate	Cat. No. 50-63-00

See KPL's catalog for a list of antibodies, conjugates, substrates and complete Western blot kits.

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