

Peroxide Solution for Immunohistochemistry



Catalog No.

71-00-09

Size

10 mL

L-539-03

DESCRIPTION

Peroxide Solution for Immunohistochemistry is designed for use with KPL Diaminobenzidine (DAB) Substrate Concentrate for immunohistochemistry, for the detection of reagents labeled with horseradish peroxidase (HRP).

CONTENT

Peroxide Solution consists of 0.5% hydrogen peroxide (H₂O₂) in citric acid buffer.

FORM/STORAGE/STABILITY

Peroxide Solution is a 10 mL liquid. Store tightly capped at 2 - 8°C. Stable for a minimum of one year stored at 2 - 8°C.

USE

The working concentration of DAB Substrate Solution contains 0.5 mg/mL DAB Substrate and 0.01% hydrogen peroxide. To prepare this solution, add 100 µL of 25 mg/mL DAB Substrate Concentrate (Catalog No.71-00-08) to 5 mL of 0.1 M Tris buffer, pH 7.6. Add 100 µL of Peroxide Solution for Immunohistochemistry and mix well.

To prepare DAB Substrate Solution using Enhance BLACK or Enhance ORANGE Buffer, add 0.5 mL Enhance BLACK Buffer Solution (Catalog No.71-00-12) or Enhance ORANGE Buffer Solution (Cat.No.71-00-07) to 5 mL reagent quality water. Add 100 µL of 25 mg/mL DAB Substrate Concentrate (Cat.No.71-00-08) and 100 µL of Peroxide Solution to the Enhance BLACK or Enhance ORANGE Buffer and mix well.

After tissue sections or other cellular preparations have been reacted with peroxidase labeled conjugate and washed, flood sections with the working solution of DAB substrate and incubate for 5 - 15 minutes until desired intensity of staining is obtained. Counterstain if desired before mounting section in either aqueous or xylene-based mounting medium.

IMMUNOASSAY KIT REAGENTS

Peroxide Solution for Immunohistochemistry is a component of the HistoMark kits for Horseradish Peroxidase Substrate Systems:

HistoMark BLACK	54-75-00
HistoMark ORANGE	54-74-00

RELATED PRODUCTS

HistoMark® RED Phosphatase System	Cat. No.
55-69-00	
HistoMark® BLUE Phosphatase System	Cat. No. 55-70-00
HistoMark® BLACK Peroxidase System	Cat. No. 54-75-00
HistoMark® ORANGE Peroxidase System	Cat. No. 54-74-00

See KPL catalog for a complete list of antibodies, substrates and complete systems for microwell ELISA, membrane blotting and immunohistochemical applications.

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.

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Nothing disclosed herein is to be construed as a recommendation to use this product in violation of any patents. The information presented above is believed to be accurate. However, said information and product are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. We cannot be responsible for patent infringements or other violations that may occur with the use of this product. No claims beyond replacement of unacceptable material or refund of purchase price shall be allowed.