

## KPL Peroxide Solution for Immunohistochemistry

Catalog No.  
5570-0004 (71-00-09)

Size  
10 mL

### DESCRIPTION

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

### CONTENT

KPL Peroxide Solution consists of 0.5% hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) in citric acid buffer.

### FORM/STORAGE/STABILITY

KPL 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 KPL 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 KPL DAB Substrate to 5 mL of KPL 0.1 M Tris buffer, pH 7.6. Add 100 µL of KPL Peroxide Solution for Immunohistochemistry and mix well.

To prepare KPL DAB Substrate Solution using KPL Enhance BLACK or KPL Enhance ORANGE Buffer, add 0.5 mL KPL Enhance BLACK Buffer Solution or KPL Enhance ORANGE Buffer Solution to 5 mL reagent quality water. Add 100 µL of 25 mg/mL KPL DAB Substrate Concentrate and 100 µL of KPL Peroxide Solution to the KPL Enhance BLACK or KPL 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 KPL 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

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

KPL HistoMark BLACK	5510-0034 (54-75-00)
KPL HistoMark ORANGE	5510-0033 (54-74-00)