

KPL Enhance BLACK Buffer Solution

for Immunohistochemistry

Catalog No.
5510-0042 (71-00-12)

Size
50 mL

DESCRIPTION

KPL Enhance BLACK Buffer Solution is a component of the KPL HistoMark™ BLACK Immunohistochemical Staining System for the detection of reagents labeled with horseradish peroxidase (HRP). This buffer is used in place of 0.1 M Tris buffer as a diluent for Diaminobenzidine (DAB) Substrate. Through enhancement with cobalt, the normal light-brown reaction product of DAB is converted to a distinct black stain. This distinct black stain works well in double-staining systems, such as with KPL TrueBlue and KPL HistoMark Orange for detection of peroxidase, and KPL HistoMark Red and KPL HistoMark Blue for detection of phosphatase.

CONTENT

KPL Enhance BLACK consists of an acetate buffer containing cobalt.

FORM/STORAGE/STABILITY

KPL Enhance BLACK is a 50 mL liquid. Store tightly capped at 2-8°C. Stable for a minimum of one year stored at 2 - 8°C.

USE

Prepare KPL DAB Substrate Solution using KPL Enhance BLACK Buffer Solution as follows:

Add 0.5 ml KPL Enhance BLACK Buffer Solution to 5 ml reagent quality water. Add 100 µl of 25 mg/ml KPL DAB Substrate Concentrate and 100 µl of 0.5% KPL Peroxide to the KPL Enhance BLACK Buffer Solution and mix well. The working solution contains 0.5 mg/ml KPL DAB Substrate and 0.01% hydrogen peroxide.

After tissue sections or other cellular preparations have been reacted with peroxidase labeled antibody and washed, flood sections with the working solution of KPL DAB Substrate in KPL Enhance BLACK Buffer 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.

RELATED PRODUCTS

CAT. NO.

KPL HistoMark® RED Phosphatase System	5510-0036 (55-69-00)
KPL HistoMark® BLUE Phosphatase System	5510-0037 (55-70-00)
KPL HistoMark® BLACK Peroxidase	5510-0034 (54-75-00)
KPL HistoMark® ORANGE Peroxidase System	5510-0033 (54-74-00)
KPL DAB Substrate Solution	5510-0041 (71-00-08)
KPL Peroxide Solution	5570-0004 (71-00-09)

The product listed herein, is for research use only and is not intended for use in human or clinical diagnosis.