

## DAB SUBSTRATE & CHROMOGEN PLUS KIT

### INTENDED USE:

For In Vitro Diagnostic Use

| <u>Catalog No</u> | <u>Volume</u>      |
|-------------------|--------------------|
| PL-060-HDX        | 60 ml ( 600 test)  |
| PL-125-HDX        | 125 ml (1250 test) |

### DESCRIPTION

3,3' Diaminobenzidine (DAB) Plus is a widely used chromogen for immunohistochemical staining and immunoblotting. In the presence of peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. This product is available in a two component form consisting of a liquid, refrigerator stable DAB Chromogen Plus and DAB Substrate Plus. The standard working dilution is 20 µl of DAB Chromogen Plus per 1ml of DAB Substrate Plus, although the ratio can be adjusted as desired. The use of liquid components reduces some risks associated with the handling of powders (i.e. dust inhalation) and eliminates waste, which often results from using tablets that require a predetermined final volume. The two components must be mixed fresh for each use or immediately before an autostainer staining run. Remaining reagent should be discarded.

| <u>COMPONENTS</u>  | <u>60 ML</u><br><u>PL-060-HDX</u> | <u>125 ML</u><br><u>PL-0125-HDX</u> |
|--------------------|-----------------------------------|-------------------------------------|
| DAB Chromogen Plus | PL-002-HCX                        | PL-004-HCX                          |
| DAB Substrate Plus | PL-060-HSX                        | PL-125-HSX                          |

### WARNINGS & PRECAUTIONS

WARNING: PL-XXX-HCX contains 5 % 3-3'-diaminobenzidine tetrahydrochloride hydrate. H341 - Suspected of causing genetic defects. H351 - Suspected of causing cancer

In the case of accidental spill, clean and dispose of material according to your laboratory's SOP, local, and state regulations.

In the case of damaged packaging on arrival, contact your technical support representative (refer to contact details listed).

### STORAGE & SHELF LIFE

Store at 2-8°C. Each component is stable for 24 months.

### MICROBIOLOGICAL STATE

Product(s) not sterile.

### MATERIALS REQUIRED BUT NOT PROVIDED

N/A

### SPECIMEN & REAGENT PREPARATION

Refer to Procedure.

### PROCEDURE

1. Combine 1 drop (40 µl) of DAB Chromogen Plus with each 1 ml of DAB Substrate Plus.
2. Apply mixture to tissue section.
3. Incubate tissue section for 5-10 minutes.
4. Rinse tissue, counterstain, dehydrate, clear in xylene or xylene substitute, and coverslip.

### Troubleshooting

Please contact PatoLab Technical Support by e-mail ([patolab@patolab.com.tr](mailto:patolab@patolab.com.tr)).