



## HISTOPRIME<sup>®</sup>

**CatNo E108**

**Lot:** See Label  
**Storage:** + 2 to + 8 °C  
Store substrate protected from light  
**Exp. Date:** See Label

## Peroxidase Substrate Kit DAB

### 2 Components

Substrate kit for peroxidase suitable for immunohistochemistry and *in situ* hybridization

#### General

The DAB kit gives a brown reaction product with peroxidase. Sections that have been stained with DAB can be covered in organic covering medium (e.g. HistoPerm LINARIS Cat. No. E6001).

#### Packing

The reagents are sufficient for approx. 1000 tissue sections.

**1 bottle Reagent 1 (Substrate Buffer) 100 ml**  
**1 bottle Reagent 2 (DAB) 6 ml**

#### Application

##### Preparation of the working solution

Add 4 drops of DAB Chromogen Solution (DAB Concentrate) to 5 ml of DAB Substrate Buffer and mix well.

Use solution for up to 6 hours!

Important note: An amplification of the color reactions and a change of the color to blue/black can be achieved with the help of an additive. blue/black can be achieved by adding heavy metal ions, e.g.  $\text{CoCl}_2$  (LINARIS CatNo.E5000).

In the last washing steps before the enzyme reaction, do not use sodium azide or others enzyme blockers.be used.

- Rinse tissue with wash buffer after the previous incubation step.
- Apply the desired amount of working solution to the prepared tissue section.
- Incubate for 5 - 15 min at room temperature.
- Rinse with dist. or deionized H<sub>2</sub>O.
- Counterstain with hematoxylin (depending on strength) for 30 sec to 5 min.
- Rinse with dist. or deionized H<sub>2</sub>O.
- Blueing in tap water for at least 5 minutes.

Dehydrate in the ascending alcohol series and from the xylene permanently cover.

**Note:** DAB can also be covered with water.

The staining result is brown stained tissue areas where the peroxidase is located.

#### Storage

Store **DAB-Kit** at 4 - 8°C in the dark (refrigerator), and used immediately after removal from the refrigerator. Warming up to room temperature is not necessary

#### Note

The working solution and reagent 2 must not be brought into contact with the skin! Both contain potentially hazardous 3,3'-diaminobenzidine (DAB). In case of accidental contact with skin or mucous membranes, wash off immediately and consult a physician! Residues of DAB must be disposed of as hazardous waste in accordance with the regulations of the federal states.

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**For Research purposes only. Not for therapeutic or diagnostic use.**

