

# Quick DAB Enhancer

## *Technical Data Sheet*

### Reagent Category

Innovex Quick DAB Enhancing Solution for Darkening and Amplifying DAB stains

### Specific Reagents Supplied

- 60 ml of Quick DAB Enhancer Solution
- 30 ml of Quick DAB Enhancer Solution

Product number: NB308 (60ml), 800-1000 slides

Product number: NB308-30 (30ml), 300-500 slides

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### **INTRODUCTION**

DAB is a brown chromogenic substance that is used in immunoperoxidase staining of tissues and cell preparations in immunohistochemical (IHC) staining. DAB chromogen in the presence of peroxidase enzyme and its substrate hydrogen peroxide forms a brown colored stain that serves as an indicator of the site of the target antigen in tissue/ cells. Quick DAB Enhancer is applied when darker DAB stain is desired for better contrasted microscopic viewing; It is also employed to amplify weak DAB stains and to amplify false negative staining. **Innovex Quick DAB Enhancer** renders a fast and simple way of darkening and amplifying DAB stains without any background.

### **PRODUCT DESCRIPTION**

Innovex Quick DAB Enhancer is an amplifying and darkening agent for DAB stains, Brown color DAB chromogen is widely used in IHC staining of tissue sections and cell preparations for visualization of target antigens in IHC staining. **Quick DAB Enhancer** is a stain amplifying reagent for DAB stains, its use amplifies weak DAB stains and prevents false negative staining. **Quick DAB Enhancer produces best results when applied before counterstaining with hematoxylin or other counterstains.**

### **APPLICATION / INTENDED USE**

This product is intended for darkening and amplifying DAB stain that is employed in Immunoperoxidase (IHC) staining of tissue sections and cell preparations for microscopic examination.

### **PRODUCT FORMAT**

Ready-To-Use solution; No dilution is required; **Do not Dilute.**

### **STORAGE CONDITIONS**

Store in refrigerator at 2-8°C through the expiration date noted on the vial label.

### **INSTRUCTIONS**

Following the development of DAB stain; Rinse DAB with water thoroughly and proceed as below:

#### **For horizontal processing (manual staining of individual slides)**

1. Tap slides on to a paper towel to remove excess water from the stained slide.
2. Add 2 to 5 drops of **Quick DAB Enhancer** to cover the tissue section or the cell preparation.
3. Incubate for 2-minutes at room temperature.
4. Rinse with water, counterstain and mount.

Quick DAB Enhancer can also be applied following the completion of the counterstaining step, however, best result is achieved when applied before counterstaining.

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### **For Batch Handling or dipping method**

#### **When a large number of slides are batch-handled:**

1. Fill a clean vessel that holds a slide rack with **Quick DAB Enhancer** solution, arrange slides in a holding rack and immerse slide rack in **Quick DAB Enhancer** solution and incubate for 3-minutes.
2. Remove slide rack and rinse slides with water.
3. Counterstain and mount.
4. Cover the vessel containing Quick DAB Enhancer and store in refrigerator for future uses.
5. **Quick DAB Enhancer** solution can be reused, when low in level; Replenish by adding more Quick DAB Enhancer as needed. Discard by expiration date.

**DAB Enhancer can also be used in automated stainers.**

#### **Note:**

DAB color intensity varies with the source of the DAB substrate/chromogen and its method of preparation. The required enhancing time for the **Quick DAB Enhancer** needs to be determined for the DAB substrate/chromogen employed. The **Quick DAB Enhancer** incubation time may range from 3-5 minutes depending on the DAB substrate/chromogen employed.

**FOR PROFESSIONAL AND RESEARCH USE ONLY**

**FOR ADDITIONAL TECHNICAL SUPPORT**

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