



# 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 DAB Enhancer Solution
- 30 ml of DAB Enhancer Solution

**Product # NB308 (60ml), 800-1000 slides**

**Product # NB308-30 (30ml), 400-500 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 procedures. 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 or cell smears. Darker DAB stain is often desired for better-contrasted microscopic viewing as well as amplifying weak DAB stains. Innovex Quick DAB Enhancer is a reagent developed for a quick and simple way of darkening and amplifying DAB stains without background.

## PRODUCT DESCRIPTION

Innovex Quick DAB Enhancer is an enhancing and amplifying reagent for DAB stains. The brown colored DAB chromogen is widely used in immunoperoxidase staining of tissue sections or cell smear preparations for visualization of target antigens in enzyme immunohistochemical staining. **Quick DAB Enhancer** is a stain darkening and amplifying reagent for DAB stains. In addition, the use of Quick DAB Enhancer can allow for reduction of the incubation time for the primary antibody and/or for the DAB substrate/chromogen. **Quick DAB Enhancer produces best results when applied before counterstaining with hematoxylin and other counterstains.**

## APPLICATION/ INTENDED USE

This product is intended for darkening and amplifying DAB substrate/chromogen employed in immunoperoxidase staining of tissue sections and cell smears for microscopic examination.

## PRODUCT FORMAT

Working solution, no dilution or adjustments required; **Do Not Dilute.**

## STORAGE CONDITIONS

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

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## INSTRUCTIONS

Following the completion of the incubation step with DAB substrate/chromogen (the last step in immunoperoxidase staining procedure) and its subsequent water rinse, proceed as below:

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

1. Remove excess water from around the stained specimen slide by tapping.
2. Add 2 to 5 drops (or as needed) of **Quick DAB Enhancer** to cover the tissue section or the cell smear.
3. Incubate at room temperature for 3 minutes.
4. Rinse with water, counterstain and mount.

Quick DAB Enhancer can also be applied following the completion of the counterstaining step, however best results are obtained when applied before counterstaining. When applied after counterstaining, simply follow with steps 2 and 3, rinse and mount.

### **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 and store in refrigerator.
5. **Quick DAB Enhancer** solution can be reused. The level may be replenished by adding more DAB Enhancer as needed. Discard at 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 ADDITIONAL TECHNICAL SUPPORT**  
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