

## DAB Substrate Kit

<u>Cat No.</u>	<u>Quantity</u>
10-0006	200 mL

### Intended Use

For In Vitro Diagnostic Use Only.

DAB Substrate Kit is intended for use during IHC staining procedures on tissue sections when Horseradish Peroxidase (HRP) is used as the enzyme. Upon addition to the antibody-HRP complex, Diaminobenzidine (DAB) forms a brown precipitate at the antigen location. The staining location and pattern is easily observable by light microscopy.

### Reagents Supplied

Reagent A: One bottle of 2X **DAB Chromogen Solution**

Reagent B: One bottle of 2X **DAB Buffer Solution**

### Procedure

1. Prepare Ready-To-Use DAB substrate solution. Add DAB Chromogen Solution to DAB Buffer Solution and mix the two solutions in a 1:1 ratio with the volume determined by the number of slides to stain. In general, 200 µL of mixed substrate solution is sufficient to cover one tissue slide.

**Note: Do not equilibrate the entire bottle of either reagent at Room Temperature. Pour out the necessary amount of each solution and allow the aliquoted volumes to equilibrate at Room Temperature before mixing. After mixing in a 1:1 ratio, the resulting Ready-To-Use substrate solution should be used within 2 hours.**

2. Complete HRP steps and wash slides.
3. Add substrate solution on slides and incubate for 5-10 minutes at room temperature.
4. Rinse slides with tap water to remove excess substrate solution.
5. Proceed with normal counterstaining and mounting protocol.

### Storage

Store at 2-8°C. Do not freeze.

All performance claims are void after the expiration date.

DAB Chromogen Solution (Reagent A) is light sensitive. Store reagent in its original amber bottle away from direct sunlight.

### Precautions

For professional users only.

DAB Chromogen Solution (Reagent A) is susceptible to contamination from oxidizing agents. To avoid contamination, do not pipette Reagent A directly out of the bottle.

Proper handling of this product should be used according to local and applicable regulations.

#### Risk Statements: DAB Chromogen

- R40 Limited evidence of carcinogenic effect.  
R43 May cause sensitization by skin contact.  
R68 Possible risk of irreversible effects.

### Symbols

				
Catalog No.	Batch No.	In Vitro Diagnostic Use	Temperature Range	Use By