

## DAB Substrate Kit

Catalogue No.IHC0005

FineTest DAB Substrate (3, 3'-diaminobenzidine) produces a brown reaction product in the presence of peroxidase (HRP) enzyme. Substrate Kit contains all of the reagents necessary to prepare. These reagents are supplied in convenient dropper bottles.

### REAGENTS:

Reagents A	DAB	20×concentrated solution	3ml	-20°C
Reagents B	H <sub>2</sub> O <sub>2</sub>	20×concentrated solution	3ml	4-8°C
Reagents C	TBS	20× concentrated solution	3ml	4-8°C

### STORAGE:

- Store reagents in original bottles at the required conditions (one year)
- Avoid storing reagents or working solution in strong direct light.

### PREPARATION OF SUBSTRATE WORKING SOLUTION:

- To 1.0 ml of distilled water  
Add 2 drops (approximately 50 µl) of Reagents C  
Add 2 drops (approximately 50 µl) of Reagents A  
Add 2 drops (approximately 50 µl) of Reagents B
- Mix well before use

### INSTRUCTIONS FOR USE:

For Tissues or Cells

After incubation with a peroxidase (HRP) detection system, rinse well. Incubate with the substrate working solution at room temperature for 2-10 minutes. Optimal development times should be determined by the investigator.

Wash for 5 minutes in water.

### NOTES:

- We recommend using glass-distilled water in the preparation of substrate buffer. Deionized water may contain inhibitors of the peroxidase reaction. Solutions containing sodium azide or other inhibitors of peroxidase activity should not be used in diluting the peroxidase substrate.
- DAB are carcinogens. Appropriate care should be exercised when using these reagents including gloves, eye protection, lab coats, and good laboratory procedures.

### For Laboratory Use

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1 / 1