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## **DAB+ Substrate Kit (2 components)**

*(High Sensitive and High Contrast Substrate kit for Horseradish Peroxidase)*

**Cat # NB-23-00148-1**

**Size: 12ml for 2400 slides**

**Cat # NB-23-00148-2**

**Size: 100ml for 20,000 slides**

### **Intended Use**

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DAB+ is high sensitive and high contrast DAB system for use in peroxidase based immunohistochemical (IHC) and in situ hybridization (ISH) staining methods. DAB+ substrate will develop a brown colored deposit upon reacting with peroxidase. For immunohistochemical staining, DAB+ incubation on slides is about 5 minutes in an enclosed chamber at room temperature. The color development may be carefully monitored under a microscope. After the appropriate color is observed, gently rinse the slides under tap water for 1-2 minutes to remove excess DAB substrate. The specimen may be dehydrated and permanently mounted (NeoBio Mount Perm, catalog # NB-23-00156) before coverslip. DAB+ is supplied in 2 components liquid form, which gives laboratories the advantage of convenience and satisfactory result. Compared to regular DAB substrate, DAB+ produces much higher contrast effects and higher sensitivity.

### **Kit Components**

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Reagent 1	DAB substrate buffer (RTU)	120ml x2 (2400 slides) / 1L x2 (20,000 slides)
Reagent 2	DAB Chromogen Conc.	12ml (2400 slides) / 100ml (20,000 slides)

### **Recommended Protocol**

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1. Adding 1 drop or 2 drops (for higher contrast) of DAB chromogen concentrate (Reagent 2) in 1ml of DAB substrate buffer (Reagent 1). Mix well.
2. Add about 100ul (2 drops) of the pre-diluted DAB mixture on to the slides and incubate in an enclosed chamber at room temperature about 5 minutes. When appropriate color is developed, rinse under tap water gently for about 1-2 minutes.
3. Keep away from light during operation and use the prepared DAB solution within 5 hours.

### **Precaution**

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DAB may be carcinogenic. Please wear gloves and take other necessary precautions.

### **Storage**

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Store at 2-8°C. Do not freeze.

## Related Products

Product	Catalog No.	Size
DAB Kit (20x Concentrate)	NB-23-00141-1 / -2	100ml / 12ml
AEC kit (20x concentrate)	NB-23-00140	12ml
Fast Red Kit	NB-23-00142	60ml
AP-Red+ Kit (40x concentrate)	NB-23-00143	8ml
BCIP/NBT Kit (RTU)	NB-23-00144-1 / -2	100ml / 18ml
NeoBio Mount AQ	NB-23-00155-3	18ml
NeoBio Mount Perm	NB-23-00156	18ml
NeoBio Mount Universal (Aqueous)	NB-23-00157-1 / -2	100ml / 18ml
NeoBio Mount ISH	NB-23-00161-1	100ml
NeoBio Mount Fluo	NB-23-00158-1 / -2	100ml / 18ml
NeoBio Mount Fluo with DAPI	NB-23-00159-1 / -2	100ml / 18ml
NeoBio Mount Fluo with PI	NB-23-00160-1 / -2	100ml / 18ml

*For reference only*

*For Research Use Only. Not for Diagnostic or Therapeutic Use.*