

Liquid DAB+ Substrate Kit (2 components) for Immunohistochemistry
 (High Sensitive and High Contrast 3, 3'-diaminobenzidine Substrate kit for Horseradish Peroxidase)

Storage: 2-8°C

Catalog No.:	C09-12	12ml	<input type="checkbox"/>
	C09-100	100ml	<input type="checkbox"/>

Intended Use:

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 (O-Mount, catalog # E02-18) 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:

This product is supplied as 2-component form:

Product	Catalog No.	Reagent 1 DAB substrate buffer (RTU)	Reagent 2 DAB Chromogen Concentrate
12ml DAB+ kit (2400 slides)	C09-12	120ml x 2	12ml
100ml DAB+ kit (20,000 slides)	C09-100	1L x 2	100ml

Recommended Protocol:

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 100µl (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.

Related Products:

Product	Catalog No.	Size
AEC kit (20x concentrate)	C01-12	12ml
DAB Kit (20x Concentrate)	C02-100 / C02-12	100ml / 12ml
DAB Enhancer (ready-to-use)	C06-500 / C06-1L	500ml / 1L
Fast Red Kit (tablets and ready-to-use substrate)	C03-60	12 Tab + 60ml
AP-Red+ Kit (40x concentrate)	C04-8	8ml
BCIP/NBT (Ready-to-use)	C05-18 / C05-100	18ml / 100ml
GB-Mount (Aqueous)	E01-18	18ml
O-Mount (Organic)	E02-18	18ml
Simpo-Mount (Aqueous)	E03-100 / E03-18	100ml / 18ml
ISH Mount (Aqueous)	E21-100	100ml
Fluorescent Mounting Medium	E18-100 / E18-18	100ml / 18ml
Fluorescent Mounting Medium with DAPI	E19-100 / E19-18	100ml / 18ml
Fluorescent Mounting Medium with PI	E20-100 / E20-18	100ml / 18ml

Precautions:

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

Remarks:

For research use only.