

## Fast-Red Substrate Kit for Immunohistochemistry

(Fast-Red Substrate Kit for Alkaline Phosphatase)

Storage: 4-8°C
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Catalog No.: C03-60    5mlx12

### Intended Use:

The Fast-Red Substrate kit is a substrate chromogen system for alkaline phosphatase. When react with alkaline phosphatase Fast-Red produces a red, insoluble precipitate at the site of reaction on tissue or cells.

### Kit Components:

This product is supplied as 12 Fast Red chromogen tablets and 12 vials of Fast Red substrate buffer (5ml each) form.

Product	Catalog No.	Reagent 1 Substrate Solution	Reagent 2 Fast-Red Tablets
Fast-Red kit	C03-60	5ml x 12	12 each

### Recommended Protocol:

1. Dissolve one Fast Red tablet into one 5ml substrate buffer. Vortex until tablet is dissolved. It usually takes about 20 minutes to dissolve completely.
2. Chromogen must be used within 1 hour.
3. Apply 100ul or more Fast-Red solution to completely cover the tissue section and incubate 10 minutes at room temperature.
4. Color development may be monitored under microscope.
5. After proper color development, rinse well with distill water for 2 minutes. **DO NOT Dehydrate tissue after staining. Fast-Red is alcohol soluble.**
6. Mount slides with GB-Mount (Cat. No. E01-18) or Simpo-Mount (Cat.No. E03-18 or E03-100).

### Related Products:

Product	Catalog No.	Size
AEC kit (20x concentrate)	C01-12	12ml
DAB+ Kit (2-component DAB)	C09-12 / C09-100	12ml +240ml / 100ml + 2 L
DAB Kit (20x Concentrate)	C02-100 / C02-12	100ml / 12ml
DAB Enhancer (ready-to-use)	C06-500 / C06-1L	500ml / 1L
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) for in situ hybridization	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:

1. The Fast-Red chromogen is a potential carcinogen and can cause irritation on skin. Completely void skin contact. Rinse with water immediately if contact occurs.
2. The sodium azide (NaN<sub>3</sub>) in the Fast-Red kit is 0.1%. Sodium azide is toxic if ingested. Use Fast-Red in well-ventilated fume hood for safety.

### Remarks:

For research use only.