

## DAB Substrate Solution      NEL938

### Storage Conditions

This product should be stored at 2-8°C.

### Product Description

This peroxidase substrate concentrate contains 3,3'-diaminobenzidine (DAB) at 25 mg/ml. 10 ml of liquid concentrate is provided.

### Performance Characteristics

The substrate deposits a brown oxidation product in the presence of horseradish peroxidase (HRP) labeled reporters. It is useful for membrane blots, histochemistry, in situ hybridization and electron microscopy applications.

### Use of Reagent

1. Warm to room temperature before use. Add 0.2 ml of DAB Substrate Solution to 10 ml of DAB Buffer (0.05M Tris-HCl, 0.1M imidazole pH 7.6 with HCl). To make 1 liter of DAB Buffer, add the following to 1 liter of distilled water:  
  
6.06 g Tris  
6.81 g Imidazole  
pH with HCl to 7.6
2. Add 3.3 µl of 30% peroxide solution.
3. Mix thoroughly and use solution immediately.

### Stability

The concentrate is stable for a minimum of one year at 2-8°C. Discard solution if heavy precipitate develops.

### Related Products

NEL300	4CN Plus Chromogenic Substrate	NEF812	Anti-Rabbit IgG (Goat), HRP-Labeled
NEL937	BCIP/NBT Substrate Solution	NEF822	Anti-Mouse IgG (Goat), HRP-Labeled
NEL750	Streptavidin-HRP Conjugate	NEL700	TSA Indirect For Chromogenic IHC
NEF710	Antifluorescein-HRP Conjugate	NEL761	BLAST® (Chromogenic) For Chromogenic Western
NEF802	Anti-Human IgG (Goat), HRP-Labeled		Blotting

### Hazard Warning

Contains hydrochloric acid (corrosive) and 3,3'-diaminobenzidine, a suspected carcinogen. Avoid contact with skin or clothing. Follow recommended disposal procedures. In case of accidental release, contain spill and clean-up with copious amounts of water. Before using read Material Safety Data Sheet.