

Substrate Solution

Caution: For Laboratory Use. A product for research purposes only

DAB Substrate Solution

Product Number: NEL938001EA

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

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|-------------|--|
| NEL300001EA | 4CN Plus Chromogenic Substrate |
| NEL937001EA | BCIP/NBT Substrate Solution |
| NEL750001EA | Streptavidin-HRP Conjugate |
| NEF710001EA | Antifluorescein-HRP Conjugate |
| NEF802001EA | Anti-Human IgG (Goat), HRP-Labeled |
| NEF812001EA | Anti-Rabbit IgG (Goat), HRP-Labeled |
| NEF822001EA | Anti-Mouse IgG (Goat), HRP-Labeled |
| NEL700001KT | TSA Indirect For Chromogenic IHC |
| NEL761001KT | Western BLAST [®] (Chromogenic Blotting Amplification System) |

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.

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