



Reagent and Storage Specifications

Component DAB Enhancer is a concentrated 50X metal based solution (3 mL). It is used to intensify the DAB Chromogen.* In the presence of the DAB Enhancer, the DAB Chromogen produces a clear brown-black staining with minimal background.

Storage Store at 2 - 8° C for up to 1 year. Do not use past expiration date indicated on the vial.

*DAB Chromogen is supplied in R&D Systems' Cell and Tissue Staining Kits (Catalog # CTS002, CTS005, CTS008, CTS017, & CTS019).

Protocol

1. Mix the buffer (Tris, PBS, or Sodium Acetate based buffer), DAB Enhancer and DAB Chromogen in the order described in Table 1. Mix DAB Enhancer with buffer before adding the DAB Chromogen.

Table 1

Buffer Volume	DAB Enhancer (50X) Volume	DAB Chromogen Volume
5 mL	0.1 mL or 3 drops	0.2 mL or 5 drops
10 mL	0.2 mL or 5 drops	0.4 mL or 10 drops
15 mL	0.3 mL or 8 drops	0.6 mL or 15 drops

2. Apply mixture[†] to the sample.
3. Incubate the slides for 5 - 20 minutes at room temperature. DAB Enhancer induces formation of a dark brown to black precipitate.
4. Rinse samples with deionized water.
5. Counterstain and mount.

[†] The mixture is stable for 6 hours at room temperature.