

# 1-Component DAB (Ready-To-Use)

**Description:** 3,3'Diaminobenzidine (DAB) is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. This product is available in a ready-to-use, one component form. DAB is also available in a two component form consisting of a liquid, refrigerator stable DAB Chromogen and DAB Substrate (catalog number ACK). The use of liquid components reduces some risks associated with handling powders (ie. dust inhalation), and eliminates waste which often results from using tablets that require a predetermined final volume. The reagent provides ultimate ease of use and can be used off the shelf through expiration, making it ideal for automated stainers.

**Availability:**

<u>Item #</u>	<u>Volume</u>
DBC125	125ml
DBC500	500ml
DBC999	1000ml

**Storage:** Store at 2-8°C. Stable for 3 months from the date of manufacture.

**Immunohistochemical Staining Protocol:**

1. Apply DAB reagent to tissue section.
2. Incubate tissue section for 5-15 minutes
3. Rinse tissue, Counterstain, dehydrate, clear in Xylene or Xylene substitute and coverslip.

Optional: For additional sensitivity, add 20µl of DAB Enhancer (ACM) for 1ml of ready-to-use.

**Precautions:** DAB Chromogen: Contains Diaminobenzidine in a Hydrogen Peroxide buffer. DAB is a suspected carcinogen. Do not pipet by mouth. Avoid contact with skin and eyes. Handle with care and dispose of according to regulations.