

**Product number:**

DABI-0100-2C (1x3 mL + 1x100 mL)

DABI-1000-2C (1x30 mL + 1x1000 mL)

Custom Sizes Available

**Components:**

- 1) DAB Immunohistochemistry Concentrate-Reagent A (DABA)
- 2) DAB Immunohistochemistry Reaction Buffer-Reagent B (DABB)

**Product use:**

BioFX™ DAB Immunohistochemistry Substrate is supplied as a two component liquid substrate system designed for the rapid and simple detection of peroxidase in immunohistochemical procedures. DAB (3,3'-diaminobenzidine) is oxidized in the presence of peroxidase and hydrogen peroxide resulting in the deposition of a brown, alcohol-insoluble precipitate at the site of enzymatic activity. Pat. [www.surmodics.com/patents](http://www.surmodics.com/patents)

**Product stability, storage and specifications:**

Product stability	3 years from the date of manufacture.
Storage	Store at 2-8°C in the original container away from light and heat with the lid tightly closed.
Specification	Following the combination of the two components, the resulting 1X solution is stable for 2-4 hours at 25°C and up to 8 hours at 2-8°C. During this period, the 1X solution may develop a darker color; however, the reagent performance will not be affected.

**Recommendations for use:**

- 1) Prepare DAB Immunohistochemistry Substrate by adding 1 drop (~30 µL) of DAB Immunohistochemistry Concentrate-Reagent A (DABA) and 1000 µL of DAB Immunohistochemistry Reaction Buffer-Reagent B (DABB) to a tube.
  - Larger quantities can be prepared using the same 3:100 ratio as above.
- 2) Mix well.
- 3) Apply an ample amount of mixed substrate to completely cover the section and incubate for 5-15 minutes.
  - Monitor the development of the reaction to avoid overstaining.
- 4) Stop the reaction by gently rinsing the stained section in 2-3 changes of distilled water.
- 5) Counterstain the section with hematoxylin or methyl green. Dehydrate with alcohol, permeate with xylene and mount using an organic mounting medium.

**Additional considerations:**

The dilution of DAB Substrate is not recommended. It is recommended that the antibodies be diluted or the reaction time reduced to minimize the intensity of the reaction.

For technical assistance, email [ivdtechsupport@surmodics.com](mailto:ivdtechsupport@surmodics.com)

**Related products:**

BioFX™ Alkaline Phosphatase / Horseradish Peroxidase Block (APHP)

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