

Product number:

DABM-0400-2C (4x100 mL + 1x15 mL)

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

Components:

- 1) DAB Membrane Concentrate-Reagent A (DABC)
- 2) DAB Membrane Reaction Buffer-Reagent B (DABD)
U.S. Patent No. 7,381,797

Intended use:

BioFX® DAB Membrane Substrate is supplied as a two component liquid substrate system designed for the rapid and simple detection of peroxidase in membrane applications. 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.

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 Membrane Substrate by adding 1 drop (~30 µL) of DAB Membrane Concentrate-Reagent A (DABC) and 1000 µL of DAB Membrane Reaction Buffer-Reagent B (DABD) to a tube.
 - Larger quantities can be prepared using the same 3:100 ratio.
- 2) Mix well.
- 3) Apply an ample amount of mixed substrate to completely cover the membrane and incubate for 5-15 minutes.
 - Monitor the development of the reaction to avoid overstaining.
- 4) Stop the reaction by gently rinsing the stained membrane in 2-3 changes of distilled water.
- 5) Allow membrane to dry for appropriate results.

Additional considerations:

The dilution of DAB Membrane 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

Related products:

BioFX® TMB enhanced HRP Membrane Substrate (ESPM)
StabilZyme® HRP Conjugate Stabilizer (SZ02)

All products listed are for research use or for further manufacturing into *in vitro* diagnostic reagents. The products are not intended for use in humans or animals. Sales are without any seller's warranty or representation, expressed or implied, by usage or otherwise; no claims beyond replacement of product not meeting specifications or refund of purchase price shall be allowed. All claims must be made within 30 days following date of delivery.