BrightDAB, substrate DAB
(For use with HRP-labeled detection systems)

Instruction For Use

These instructions apply to the WellMed BrightDAB substrate.

1: Intended Use

For In Vitro Diagnostic Use
WellMed BrightDAB substrate DAB, is intended for use in immunohistochemistry.

2: Summary and explanation

WellMed BrightDAB substrate DAB (3,3'Diaminobenzidine) 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 and xylene. This product comes in a two-component system consisting of a liquid stable DAB chromogen and DAB substrate buffer. BrightDAB DAB is a very stable and superior formulation of DAB. In some cases, antibodies titers may increase titers by two-fold. BrightDAB, DAB can be used both manually and on automated stainers.
DAB Solution A: Ready–to-use Buffered H_2O_2, DAB Solution B: Concentrated DAB solution.
This product should be interpreted by a qualified pathologist with relevant clinical information, morphological and histological studies and with proper controls.

3: Kit components

BrightDAB, substrate DAB:
1. DAB Solution A: Buffered H_2O_2 (Ready-to-use)
2. DAB Solution B: Concentrated DAB solution

4: Availability

Catalog Number	Contents	Volume
BS04-110	BrightDAB, substrate DAB	
	• Sub cat.no.: BS04-110A: DAB Solution A: Buffered H2O2 (Ready-to-use)	110 ml
	• Sub cat.no.: BS04-110B, Solution B: Concentrated DAB solution	5 ml

BS04-500	BrightDAB, substrate DAB • Sub cat.no.: BS04-500A: DAB Solution A: Buffered H2O2 (Ready-to-use) • Sub cat.no.: BS04-500B, Solution B: Concentrated DAB solution	 500 ml 22 ml
BS04-999	BrightDAB, substrate DAB • Sub cat.no.: BS04-999A: DAB Solution A: Buffered H2O2 (Ready-to-use) • Sub cat.no.: BS04-999B, Solution B: Concentrated DAB solution	 1000 ml 45 ml

5: Usage

- After application of HRP detection, rinse tissue section in PBS or TBS Wash buffer.
- Add 40 µl DAB Solution B (± one drop) to 1 ml Solution A, mix well.
- For excellent results incubate the DAB solution one time 8 minutes without washing in between.

6: Recommended Staining Protocol

Step	Reagent	Template step	Incubation time
1	Deparaffinize and rehydrate tissue section	Slide/tissue preparing	-
2	Wash buffer	PBS or TBS buffer	2x 5 min
3	If applicable; HIER or digestive enzyme	Pre-treatment	-
4	Wash buffer	PBS or TBS buffer	2x 5 min
5	Primary antibody	Antibody	30 min
6	Wash buffer	PBS or TBS buffer	2x 5 min
7	Detection system, polymer HRP	Labeled polymer	30 min
8	Wash buffer	PBS or TBS buffer	2x 5 min
9	***Substrate***	DAB	8 min
10	Wash aqua dest	Wash	2x 2 min
11	Counterstain and coverslip	Auxiliary	1 min

7: Control slides

A positive control, negative control and reagent control are needed and processed in the same way as the unknow specimen slide to interpret staining results.

8: Storage

Store at 2-8 °C and in the dark. Do not use after expiration date.

9: Warnings and precautions

Refer to SDS.

10: Troubleshooting

Please contact WellMed by phone or by email.

11: Reference

1) Shan-Rong Shi, James Guo, Richard J. cote, Lillian Young, Debra Hawes, Yan Shi, Sandra Thu and Clive R. Taylor, Applied Immunohistochemistry & Molecular Morphology, vol 7,201-208,1999