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Immunoperoxidase DAB Kit (Dark Brown)

REFERENCES AND PRESENTATIONS:

The presentations for this product are as follows[1]:

Reference	Tests	DAB substrate Buffer	DAB Chromogen Concentrate	DAB Enhancer
MAD-001811QK	500	60 mL	2 mL	50 mL
MAD-001812QK	100	15 mL	0,5 mL	10 mL

Kit components:

DAB Substrate Buffer (READY-TO-USE)
DAB Chromogen Concentrate (READY-TO-USE)
DAB enhancer (READY-TO-USE)

SPCIFICITY, INTERFERENCES AND LIMITATIONS:

The ***Immunoperoxidase DAB Kit (Dark Brown)*** is preferred for immunohistochemical staining methods, based on peroxidase marked antibodies and in situ hybridization.
Once the DAB oxidation has occurred, a brown insoluble precipitate is obtained. An increase or decrease in the ratio between the chromogen and its substrate volumes, as well as exposure to bright light, can affect the degree of specific staining and background of the final reaction. For this reason it is recommended that the staining should be made in low light conditions.

APLICATION AND PRODUCT COMPOSITION:

The chromogenic phase of the immunostain protocol reveals the location of the specific antigen-antibody complex by the addition of the enzyme substrate and the chromogen.

PREPARATION OF THE CHROMOGEN FINAL SOLUTION:

Add 1 drop of DAB Chromogen Concentrate in 1 ml of DAB Substrate Buffer. Mix well. This solution must be protected from light and is stable for hours.

Important note: If after preparation, a pink-purple color of the mixture is seen, it is recommended to discard the solution and prepare a new one

RECOMMENDATIONS FOR USE:

1. After incubation with a peroxidase (HRP) detection system, rinse well. Add the DAB mixture to the tissue section following the routine protocol. **Incubate 5 minutes** at room temperature.
2. Rinse slides with distilled water.

[1] For *in vitro* diagnostic

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3. Add 2-4 drops of DAB Enhancer to cover the tissue section completely. Incubate 1 to 2 minutes at room temperature. (OPTIONAL STEP)
4. Rinse slides with distilled water or TBS.
5. Contrast with Haematoxylin.
6. Bluing in tap water.
7. Dehydrate, clear and mount.

This kit produces a brown deposit while the DAB enhancer provides a more intense and sharp staining.
The recommendations put forward are general, so it is recommended to follow the routine protocols of each laboratory. By employing automated immunostainers, the incubation time with the mixture of DAB is 5 minutes using the Master Polymer Plus Detection System kit, that optionally could be followed by a incubation with DAB enhancer for 2 minutes.

STORAGE:

Store refrigerated until the expiration date (2 - 8 °C) in the original bottles.
Avoid storing reagents or working solution in strong direct light.

SAFETY RECOMMENDATIONS:

This product is intended for laboratory professional use only. The product is NOT intended to be used as a drug or for domestic purposes. The current version of the Safety Data Sheet for this product can be downloaded by searching the reference number at www.vitro.bio or can be requested at regulatory.md@vitro.bio.

REFERENCES:

Trojanowski, J.Q. et al.: J. Histochem. Cytochem. 31:1217, 1983

[1] For *in vitro* diagnostic