



**VitroView™ Enhanced DAB Substrate Kit
(For 1000 IHC Tests)**

SKU#: VB-6003E

Description

Diaminobenzidine (DAB) is oxidized by horseradish peroxidase (HRP). It is a sensitive colorimetric substrate used with HRP in immunohistochemistry (IHC) and immunoblotting applications. Enhanced DAB stain gives a dark-brown color.

Kit Contents

VB-6003E-1 DAB Stock Solution (50×) -----3 ml
VB-6003E-2 Stable H₂O₂ Solution (50x) -----3 ml
VB-6003E-3 DAB Enhancer Buffer-----120 ml

Storage

Store at 2-8°C.

Application

Immunohistochemistry: Tested

Recommended Assay Procedure for Immunohistochemistry:

1. Before DAB staining, add 40 µl of DAB stock solution and 40 µl of stable H₂O₂ solution for every 2 ml of DAB enhancer buffer. The mixed DAB substrate solution can be stored for up to 6 hours. Storing the reagent for longer periods of time will cause precipitate formation.
2. Apply the mixed DAB substrate reagent to the tissue section after it has been incubated with the appropriate horseradish peroxidase (HRP) conjugated reagents.
3. Approximately 100-200 µl (2-4drops) of the mixed DAB substrate reagent should be sufficient to cover the entire tissue section.
4. Incubate the section with the mixed DAB reagent for 2-10 minutes or until the desired color intensity is obtained.
5. Wash the slides in dH₂O
6. Counterstain

Warning: DAB is a possible carcinogen. Please take necessary precautions.

Note: This product is intended for research purposes only. This product is **not** intended to be used for therapeutic or diagnostic purposes in humans or animals. Avoid contact with eyes, skin and clothing. Do not ingest. Wear gloves.