



SPECIFICATION SHEET

DAB Plus Substrate System

DESCRIPTION:

3,3' Diaminobenzidine (DAB) is a widely used chromogen for immunohistochemical staining and immunoblotting. In the presence of peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. This product is available in a two component form consisting of a liquid, refrigerator stable DAB Chromogen and DAB Substrate. The standard working dilution is 50 µl of DAB Plus Chromogen per 1ml of DAB Plus Substrate, although the ratio can be adjusted as desired. The use of liquid components reduces some risks associated with the handling of powders (i.e. dust inhalation) and eliminates waste, which often results from using tablets that require a predetermined final volume. Once the two components are combined, the reagent can be used for up to six hours, making it ideal for automated stainers.

AVAILABILITY:

<u>CATALOG #</u>	<u>CONTENTS</u>	<u>TESTS</u>
TA-060-HDX	6ml DAB Plus Chromogen 60ml DAB Plus Substrate	600 slides
TA-125-HDX	12ml DAB Plus Chromogen 125ml DAB Plus Substrate	1250 slides

IMMUNOHISTOCHEMICAL STAINING PROTOCOL:

1. Combine 1-2 drops (40-100 µl) of DAB Plus Chromogen with each 1ml of DAB Plus Substrate.
2. Apply mixture to tissue section.
3. Incubate tissue section for 5-15 minutes.
4. Rinse tissue, counterstain, dehydrate, clear in xylene or xylene substitute and coverslip.

STORAGE:

Store at 4-6°C. Each component is stable for 18 months.

PRECAUTIONS:

DAB Plus Chromogen: Contains Diaminobenzidine (DAB) in buffer. DAB is a suspected carcinogen. Do not pipet by mouth. Avoid contact with skin and eyes. Reagent is acidic and can cause burns if skin contact occurs. Handle with care and dispose of according to regulations.

DAB Plus Substrate: Contains Hydrogen Peroxide in buffer. Avoid contact with skin and eyes.

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LIMITATIONS:

This product is available for research use only - not for diagnostic or therapeutic work. Lab Vision Corporation will not be held responsible for patent infringement or other violation that may occur with the use of this product.