

Technical Data Sheet

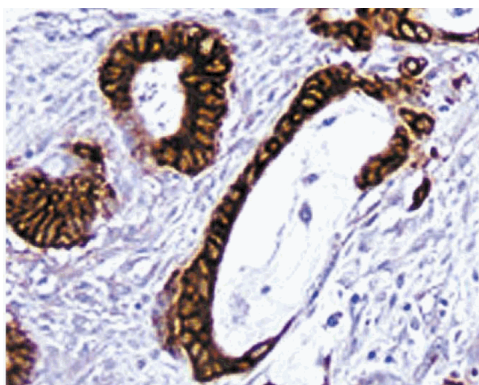
DAB Substrate Kit

Product Information

Material Number:	550880
Size:	500 Tests
Component:	51-7548KC
Description:	DAB Buffer (50 ml)
Component:	51-7549KC
Description:	DAB Chromogen (2.5 ml)

Description

3,3' Diaminobenzidine (DAB) is a substrate for the enzyme peroxidase and is a widely used chromogen for immunohistochemical staining and immunoblotting. In the presence of peroxidase, DAB produces a brown precipitate that is insoluble in alcohol.



Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Immunohistochemistry-frozen	Routinely Tested
Immunohistochemistry-paraffin	Routinely Tested

Recommended Assay Procedure:

Immunohistochemistry: Just before staining, add one drop (~ 40 µL) of DAB Chromogen for every 1 mL of DAB Buffer. The mixed DAB substrate solution can be stored for up to 6 hours, making it ideal for use in automated stainers. Storing the reagent for longer periods of time will cause precipitate formation. Apply the mixed DAB substrate reagent to the tissue section after it has been incubated with the appropriate horseradish peroxidase (HRP) conjugated reagents and washing is complete. Approximately 100 µL of the mixed DAB substrate reagent should be sufficient to cover the entire tissue section. Incubate the section with the mixed DAB reagent for 5-15 minutes or until the desired color intensity is obtained.

DAB Buffer (component 51-7548KC) is a 50 mL solution of citric acid and disodium hydrogenorthophosphate.

Danger: *DAB Chromogen (component 51-7549KC) is a 2.5 mL solution containing 1.74% 3,3' diaminobenzidine (w/w).*

Hazard statements:

*Suspected of causing genetic defects.
May cause cancer.*

Precautionary statements:

*Wear protective clothing / eye protection.
Wear protective gloves.
Do not handle until all safety precautions have been read and understood.
If exposed or concerned: Get medical advice/attention.
Dispose of contents/container in accordance with local/regional/national/international regulations.*

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550880 Rev. 4



Product Notices

1. Please refer to www.bdbiosciences.com/us/s/resources for technical protocols.
2. Please refer to <http://regdocs.bd.com> to access safety data sheets (SDS).