

Stunn DAB Substrate Chromogen

PRODUCT INFORMATION:

PS001	100ml
PS001	60ml
PS001	10ml

INTENDED USE

For in vitro diagnostic use only

Stunn DAB Substrate Chromogen is intended for use in immunohistochemistry application. It is a high sensitivity DAB Chromogen suitable for use in combination with the PolyExcel HRP detection system or any other HRP based detection systems. Upon oxidation, DAB forms a brown end-product at the site of the target antigen. The reagent is intended for use on formalin-fixed, paraffin-embedded tissue sections.

SUMMARY AND EXPLANATION

Visualization is an important tool in Immunohistochemistry process. The binding of primary and secondary antibodies in the process is illuminated by the enzymatic reaction of Horse radish peroxidase and chromogenic substrates such as DAB (3, 3'-Diaminobenzidine) and AEC (3-Amino-9-EthylCarbazole). The biochemical reaction converts the substrate into a pigment reaction product, which produces a color such as Brown for DAB and Red for AEC. PathnSitu offers highly sensitive StunnDAB Chromogen and buffer for Immunohistochemical application. It develops faster color and has longer stability of working solution up to 5 days when stored at 2-8°C. The chocolate/ golden brown color develops during reaction; it is very distinguished and appealing under microscopic examination.

STORAGE RECOMMENDATIONS

Storage Recommendations: Store at 2-8°C and away from light. Make sure to bring the solution to room temperature before use. Do not use after expiration date printed on the bottle. If reagents are stored under conditions other than those specified in the package insert, the user must verify them.

KIT CONTENTS

PathnSitu PolyExcel detection kit supplied as in 3 different pack sizes. Details below:

Cat#	Kit Contents	Volum e
PS001-10 ml	Stunn DAB Buffer + Stunn DAB Chromogen	10ml + 1ml
PS001-60 ml	Stunn DAB Buffer + Stunn DAB Chromogen	60ml + 5ml
PS001-100 ml	Stunn DAB Buffer + Stunn DAB Chromogen	100ml+ 8ml

PREPARATION OF WORKING SOLUTION

DAB (DAB is a potential carcinogen. Please take appropriate precautions): In a 1ml of Stunn DAB Buffer add 1 drop of Stunn DAB chromogen. Mix well the preparation and store it in dark. This solution is stable for a week when stored at 2-8°C. Always prepare fresh working solution for clean and crisp results.

STAINING RECOMMENDATIONS

After Polymer HRP incubation wash slides with Immuno wash buffer then cover the tissue sections with working solution StunnDAB Substrate buffer chromogen and incubate for 5 min at room temperature. Then wash with DI water followed by Immuno wash buffer.

STAINING INTERPRETATION

The diaminobenzidine-containing Substrate Working Solution gives a brown color at the site of the target antigen recognized by the primary antibody. The brown color

should be present on the positive control specimen at the expected localization of the target antigen. If non-specific staining is present, this will be recognized as a rather diffuse, brown staining on the slides treated with the negative control reagent.

TROUBLESHOOTING

Follow the reagent specific protocol recommendations according to data sheet provided. If unusual results occur, contact PathnSitu Technical Support at 040-2701 5544 or techsupport@pathnsitu.com

LIMITATIONS AND WARRANTY

There are no warranties, expressed or implied, which extend beyond this description. PathnSitu is not liable for property damage, personal injury, or economic loss caused by this product.

EXPLANATION OF SYMBOLS

LOT- Lot number / Batch number



IVD *In vitro diagnostic use*

Storage limitation