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 #8059

SignalStain® DAB Substrate Kit



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Petite 1 Kit (120 slides)
Small 1 Kit (1200 slides)

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For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes	Product #	Quantity (Petite)	Quantity (Small)
SignalStain® DAB Diluent	11724	1 x 12 ml	1 x 120 ml
SignalStain® DAB Chromogen Concentrate	11725	1 x 360 µl	1 x 3.6 ml

Description

The SignalStain® DAB Substrate Kit contains all of the necessary reagents to prepare a working solution of diaminobenzidine (DAB) for staining tissue sections. The DAB working solution reacts with peroxidase (HRP) detection systems such as the SignalStain® Boost IHC Detection Reagents (HRP, Rabbit #8114, HRP, Mouse #8125, HRP, Rat #72838, and HRP, Goat #63707), yielding a brown reaction product.

Storage

Substrate kit should be stored at 4°C, protected from light. Each kit is stable for 12 months upon receipt if the reagents are not combined. Once combined, the solution is stable for up to 2 weeks if kept at 4°C.

Directions for Use

To prepare the DAB working solution, add 1 drop (30 µl) SignalStain® DAB Chromogen Concentrate to 1 ml SignalStain® DAB Diluent and mix well before use. Working solutions are stable for up to 14 days when stored at 4°C or up to 5 days when stored at room temperature (approximately 25°C). While the solution may change color over that time period, it will have no effect on the quality of the staining.

*Please note that when using 8059P, a dropper for the chromogen concentrate is not included. Use a pipet to add 30 µl of SignalStain® DAB Chromogen Concentrate to 1 ml SignalStain® DAB Diluent.

Important: DAB is a suspected carcinogen. Good laboratory practices should be followed, and appropriate protective equipment should be used when handling DAB, including gloves, protective eyewear, and a lab coat. Dispose in accordance with local regulations.

After incubation with SignalStain® Boost IHC Detection Reagent or other HRP-based detection systems, wash slides and incubate with the working solution at room temperature until staining develops. 1-10 minutes generally provides an acceptable staining intensity.

Wash slides in water for 5 minutes.

Counterstain, if desired, and mount coverslips with either a permanent mounting media or an aqueous-based mounting media. Please note, permanent mounting requires dehydration through ethanol and clearing through xylene.

Solutions and Reagents

Each SignalStain® DAB Substrate Kit includes enough DAB Diluent and DAB Chromogen Concentrate to stain either 1200 (#8059S) or 120 (#8059P) slides.

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