

Stable DAB/Plus Liquid Format

Catalog No.:	K 047
Intended Use:	Substrate/chromogen in conjunction with peroxidase-based immunostaining systems.
Introduction:	DAB, a widely used chromogen for immunoperoxidase staining, is well accepted among pathologists because of its increased sensitivity and ability to give cleaner background as compared to amino ethylcarbazole (AEC). Specimens stained in DAB can be dehydrated, cleared, and mounted for permanent record keeping. Stable DAB/Plus is more sensitive and stable than traditional working DAB solutions.
Product benefits:	Stable DAB/Plus offers several noteworthy improvements and benefits as compared with traditional working DAB solutions: i) Stable DAB/Plus is much more sensitive, providing the cost-effective option of diluting the primary antibody. ii) Being stable for 2 weeks (as opposed to 6 hours for traditional DAB working solutions), Stable DAB/Plus allows the user the convenience of making one working solution for the entire work week. iii) Hazardous waste generation from spent DAB solution is also significantly reduced. iii) Stable DAB/Plus is ideal for high volume labs and automated stainers.
Principle:	Peroxidase from the antibody detection system reacts with H ₂ O ₂ substrate to degrade it, which then reacts with DAB, precipitating it at positive sites yielding a dark brown color.
Components:	i) 5mL concentrated amber-colored DAB Chromogen Solution. ii) 200mL clear Stable DAB/Plus Substrate Buffer. iii) One empty mixing dropper bottle.
Precautions:	DAB, a suspected carcinogen, can cause skin irritation upon contact. Avoid contact with clothes and exposed skin. If contacted, flush immediately with tap water. Follow instructions provided by local authorities for disposal.
Storage:	Store at 2-8°C. Reagents and working solution are light sensitive; protect from exposure to light. Store reagents and working solution in opaque bottle. Do not use beyond the expiration dates stated on the labels.
Working Solution:	Aliquot 1mL of Stable DAB/Plus Buffer in mixing bottle. Add 20µL (one drop) of concentrated Stable DAB/Plus Chromogen. Replace tip and mix. <i>Note: The working Stable DAB/Plus solution is stable for at least 2 weeks and should be prepared in an opaque bottle. Store at 2-8°C when not in use. Any solution not used after this period should be discarded.</i>
Procedure:	i) After peroxidase incubation, wash tissue sections with wash buffer. ii) Wipe slides removing excess buffer. Add enough drops of working Stable DAB/Plus solution to cover tissue sections. iii) Incubate for 5-10 minutes at room temperature. For optimal results, observe reaction under the microscope for signal development. Once the desired signal to noise ratio is achieved, stop the reaction by washing slides in buffer.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

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1020 Serpentine Lane, # 114, Pleasanton, CA 94566 Tel: 925 484 3350, Fax: 925 484 3390

Website: www.dbiosys.com e-mail: customersupport@dbiosys.com