

DAB SUBSTRATE/ CHROMOGEN SYSTEM
Background Free, DUO COMPONENT
TURBO ACTION, 5 minute Incubation

PRODUCT Number: □ NB314SBD (70 ml of Substrate buffer & 4 ml of liquid DAB chromogen) Stains 1000 slides
□ NB314SBD-35 (35 ml of Substrate buffer & 2 ml of liquid DAB chromogen) Stains 500 slides

PRODUCT DESCRIPTION

Innovex Stable liquid DAB is an advanced formulation for chromogenic staining of cellular antigens in Immuno-peroxidase staining procedures. Innovex stable DAB is a two component liquid DAB formulation developed for background-free and rapid staining. Innovex stable liquid DAB produces a brilliant brown stain with increased sharpness and maximum specificity and in a very short time (5 minutes). Innovex DAB solution is totally free of background and longer incubation of up to hours with this DAB does not cause background staining. In addition, Innovex mixed DAB solution is stable, left over mixed DAB/ substrate solution may be used to the last drop when kept refrigerated. Due to its extreme stability Innovex turbo DAB may be mixed hours to weeks in advance. Furthermore, the use of Innovex DAB offers the choice of increased primary antibody dilution or decreased primary incubation time due to its amplification properties.

SYSTEM COMPONENTS & SPECIFICATIONS

LARGE VOLUME; 5-minute incubation time

- 70 ml of substrate solution
- 4 ml of liquid DAB chromogen
- OPTIONAL, DAB Enhancer 7 ml

SMALL VOLUME; 5-minute incubation time

- * 35 ml of substrate solution
- * 2 ml of liquid DAB chromogen
- * OPTIONAL, DAB Enhancer 7ml

APPLICATION / INTENDED USE

This product is intended for use in Immuno-peroxidase (IHC) staining procedures.

STORAGE CONDITIONS

Store DAB chromogen and substrate buffer in refrigerator at 2-8°C through the expiration date noted on the vials labels. Left over mixed DAB/ Substrate solution may be stored at 2-8°C and used within one week from the date mixed.

INSTRUCTIONS

1. Mix DAB solution by squeezing 2 ml of Ready-To-Use substrate buffer (component 1) into the provided graduated mixing tube. Add 2 drops of liquid DAB chromogen (component 2) to the 2-ml substrate buffer. Mix gently by drawing 3 times in and out a transfer pipette, do not vortex DAB.
2. Incubate for **5-minutes**.
3. Rinse DAB by filling and emptying the slide holding vessel with tap water 5 times.
4. Counterstain with hematoxylin (Innovex Product # NB305) or counterstain of choice.
5. Coverslip with Innovex Advantage mounting media (Product # NB300) for permanent mounting from water or with xylene based mounting media.
6. For darker DAB stains, apply **Innovex Quick DAB Enhancer for 3-minutes**; (Product # NB308). This should be done after incubation with DAB substrate/ chromogen mixture and after the DAB rinse with water. Incubate with **Innovex Quick DAB Enhancer Solution** for 3-minutes and rinse with water prior to counterstaining. **Innovex DAB Enhancer** may also be applied post-counterstaining and prior to mounting. **Quick DAB Enhancer is best used before counterstaining.**

*Longer incubation with Innovex DAB solution does not generate background and it will **not** adversely affect the staining results. Innovex mixed DAB chromogen solution is stable for on-week when kept refrigerated; color change of amber to brown does not affect the DAB performance.*

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