



AEC Substrate System

Background-Free | DUO Component | Turbo Action | 5 Minute Incubation

Technical Data Sheet

PRODUCT# IMI05024E (Stains an average of 1,000 slides)

PRODUCT DESCRIPTION

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

SYSTEM COMPONENTS & SPECIFICATIONS

70 ml of substrate solution | 4 ml of liquid AEC chromogen

INTENDED USE/APPLICATION

This product is intended for use in Immunoperoxidase staining procedures.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

INSTRUCTIONS

1. Mix AEC solution by squeezing 2 ml of Ready-To-Use substrate buffer (component 1 bottle) into the provided graduated mixing tube.
2. Add 2 drops of liquid AEC chromogen (component 2 vial) to the substrate buffer. Mix gently, do not vortex.
3. Apply post incubation with HRP enzyme (enzyme label) and the subsequent rinse step for **20-30 minutes**.
4. Allow the slides to sit in tap water for 10 minutes before counterstaining and mounting. (*Longer incubation with Innovex AEC solution does not create background and it will not adversely affect the staining results. Innovex mixed AEC chromogen solution is stable for at least two weeks when kept refrigerated.*)
5. Following the incubation with AEC solution; Rinse with water.
6. Counterstain and mount with mounting media for permanent mounting. *Do not mount with xylene or toluene based mounting media.*

For darker AEC stains, apply Innovex AEC Enhancer (Product # NB319) post incubation with AEC chromogen and the subsequent water rinse. Innovex AEC Enhancer may be applied post counterstaining and prior to mounting.



DAB Substrate System

Background-Free | DUO Component | Turbo Action | 5 Minute Incubation

Technical Data Sheet

PRODUCT# IMI04924E (Stains an average of 1,000 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 (1-5 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 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

70 ml of substrate solution | 4 ml of liquid DAB chromogen

INTENDED USE/APPLICATION

This product is intended for use in Immunoperoxidase staining procedures.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

INSTRUCTIONS

1. Mix DAB solution by squeezing 2 ml of Ready-To-Use substrate buffer (component 1 bottle) into the provided graduated mixing tube.
2. Add 2 drops of liquid DAB chromogen (component 2 vial) to the substrate buffer. Mix gently, do not vortex.
3. Apply post incubation with HRP enzyme (enzyme label) and the subsequent rinse step for **1-5 minutes**.
4. Allow the slides to sit in tap water for 10 minutes before counterstaining and mounting. (*Longer incubation with Innovex DAB solution does not create background and it will not adversely affect the staining results. Innovex mixed DAB chromogen solution is stable for at least two weeks when kept refrigerated.*)
5. Following the incubation with DAB solution; Rinse with water.
6. Counterstain and mount with mounting media for permanent mounting.

For darker AEC stains, apply Innovex AEC Enhancer (Product # NB319) post incubation with AEC chromogen and the subsequent water rinse. Innovex AEC Enhancer may be applied post counterstaining and prior to mounting.