

STABLE liquid AEC SUBSTRATE/CHROMOGEN SYSTEM
Background Free,
DUO- COMPONENT

Technical Data Sheet

PRODUCT # □ NB314SCS (70 ml of Substrate solution & 3 ml of liquid AEC chromogen) Stains 1000 slides
□ NB314SCS-35 (35 ml of Substrate solution & 2 ml of liquid AEC chromogen) Stains 500 slides

PRODUCT DESCRIPTION

Innovex Stable liquid AEC is an advanced formulation for chromogenic staining of cellular antigens in Immunoperoxidase 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

LARGE VOLUME; 15-minute incubation

- 70 ml of substrate solution
- 3 ml of liquid AEC chromogen

SMALL VOLUME; 15-minute incubation time

- * 35 ml of substrate solution
- * 2 ml of liquid AEC chromogen

APPLICATION / INTENDED USE

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. Add 2 drops of liquid AEC chromogen (component 2 vial) to the substrate buffer; Mix gently; Do NOT vortex. INNOVEX mixed substrate/ AEC solution is stable for two weeks and can be mixed prior to start of staining run.
Post incubation with HRP enzyme (enzyme label) OR HRP Polymer and the subsequent rinse step:
2. Incubate with mixed AEC substrate/ chromogen for **15-minutes**
3. Rinse AEC by filling and emptying the slide holding vessel with tap water 5 times
4. Let AEC stained slides sit in water for 15-minutes after the rinsing.
5. Counterstain with hematoxylin or counterstain of choice.
6. Coverslip with Innovex Advantage mounting media (Product # NB300) for permanent mounting. DO NOT mount with xylene or toluene based mounting media, AEC dissolves in xylene and alcohol.
7. OPTIONAL: For darker AEC stains, apply **Innovex AEC Enhancer for 15-minutes**; (Product # NB319). AEC Enhancer must be applied post incubation with AEC chromogen and after the water rinse,

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.

FOR PROFESSIONAL AND RESEARCH USE ONLY