



AEC Chromogen Kit

User Manual

Catalog # CRG1004

Used for IHC Color Reaction.

For research use only. Not for diagnostic or therapeutic procedures.

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I. INTRODUCTION

AEC (3-Amino-9-Ethylcarbazole) is a widely used chromogen for immunohistochemical staining. AEC produces a red end product that is soluble in alcohol and must be used with an aqueous counterstain and mounting media. AEC produces a clean, very intense stain that is free of unwanted background. This kit is prepared for Immunohistochemistry, Immunoblot or Dot Blot.

II. KIT COMPONENTS

Component	Volume	Storage
PBS	30 ml x 2	4 °C
Substrate Reagent	3 ml x 1	4 °C
AEC Chromogen	3 ml x 1	4 °C
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III. STORAGE AND STABILITY

All kit components are stable at 4 °C. Each component is stable for up to 12 months.

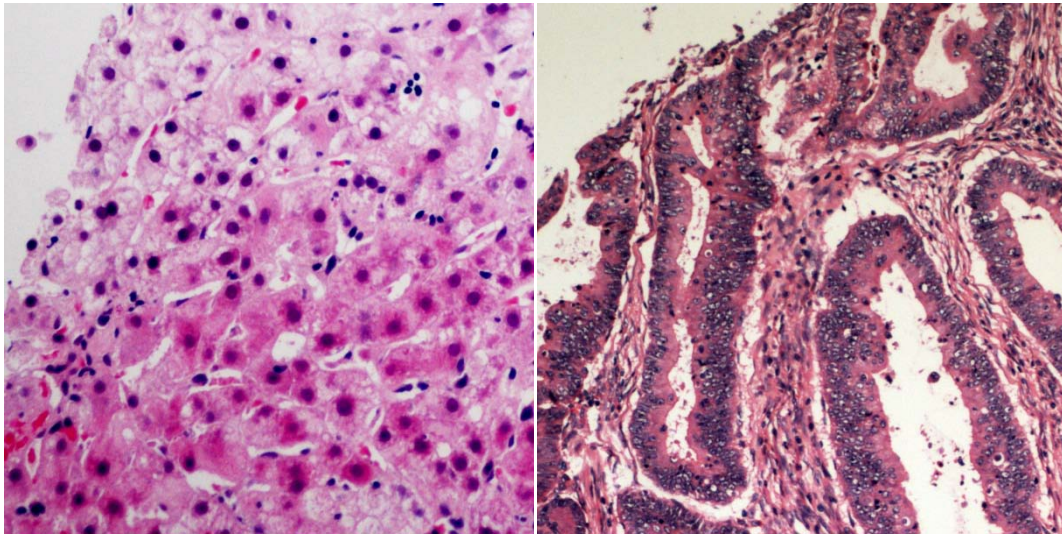
IV. PROCEDURE

1. In order add: 1 ml PBS (Vial A), 50 ul Substrate Reagent (Vial B), 50 ul AEC Chromogen (Vial C), mixing vial shortly before incubation;
2. Apply 50 - 100ul AEC Substrate Reagent to each slide, incubate about 5 - 10 minutes;
3. When sufficient staining has been achieved rinse slides in PBS for 3 minutes for 3 times.

V. CONSIDERATIONS

1. Do not use alcohol-containing solutions for counterstaining, since the AEC stain formed by this method is soluble in organic solvents;
2. The nitrocellulose strip will normally have a slight reddish background;
3. AEC is suspected carcinogen, operation with gloves.

VI. DATA



Immunohistochemical analysis staining in human liver carcinoma and human colon carcinoma formalin fixed paraffin-embedded tissue section. The section was detected using AEC Chromogen Kit. The section was then counterstained with haematoxylin and mounted with Neutral Gum.

VII. TECHNICAL SUPPORT

For troubleshooting, information or assistance, please go online to www.cohesionbio.com or contact us at techsupport@cohesionbio.com

VIII. NOTES