

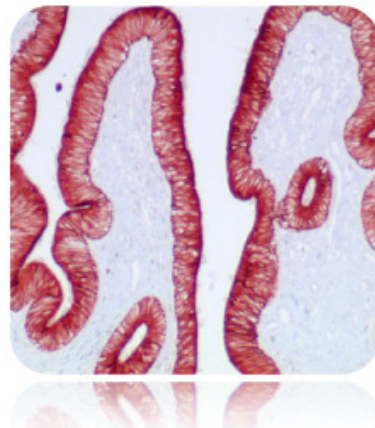
AEC Chromogen/Substrate Bulk Pack

Description: 3-Amino-9-Ethylcarbazole (AEC) is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of peroxidase enzyme, AEC produces a vivid red end product that is soluble in alcohol and must be used with an aqueous counterstain and mounting media. This product is available in a two component form consisting of a liquid, refrigerator stable AEC Chromogen and AEC Substrate. Each component is individually stable for 18 months from the date of manufacture.

Uses/Limitations: Not to be taken internally.
For In-Vitro Diagnostic use only.
Histological applications.
Do not use if reagents become cloudy.
Do not use past expiration date.
Use caution when handling reagents.
Non-Sterile.

Control Tissue: Any well fixed paraffin embedded or frozen tissue section.


Ordering information regarding individual components on back page!




Kit Options:


<u>Item #</u>	<u>Components</u>	<u>Volume</u>	<u>Storage</u>
ACJ500	AEC Chromogen Concentrate AEC Substrate Buffer	15 ml 500 ml	2-8°C 2-8°C
ACJ999	AEC Chromogen Concentrate AEC Substrate Buffer	30 ml 1000 ml	2-8°C 2-8°C

Precautions: Avoid contact with skin and eyes.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.

Storage: 2° C  8° C

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Procedure:

- Combine 20µl of AEC Chromogen Concentrate to each 1ml of AEC Substrate Buffer. Combined mixture must be used immediately.

NOTE: Range = 20-30µl of AEC Chromogen / 1 ml of AEC Substrate.

20µl /ml produces optimal staining quality, 30µl/ml produces maximum sensitivity.

- Dip slide one time in DI/Distilled water immediately prior to application of AEC.
- Apply mixture to tissue section.
- Incubate tissue section for 5 minutes.
- Rinse slide using DI/Distilled water.
- Apply mixture and incubate for another 5 minutes.
- Rinse slide in two changes of DI/Distilled water.
- If needed, repeat application, incubation, and rinse for a third 5 minute period.
- Counterstain as desired.
- Rinse slide in two changes of DI/Distilled water.
- Coverslip in aqueous medium.


NOTE: Dehydrating in alcohol and clearing in xylene results in immediate loss of AEC from slide.

References:

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- de Groot-Besseling, R.R.J., Ruers, T.J.M., Lamers-Elmans, I.L., Maass, C.N., de Waal, R.M.W., Westphal, J.R., Angiostatin generating capacity and anti-tumour effects of D-penicillamine and plasminogen activators. *BMC Cancer*, 2006, Volume 6: page 149. Doi: 10.1186/1471-2407-6-149
- Toyokawa, H., Nakao, A., Bailey, R.J., Nalesnik, M.A., Kaizu, T., Lemoine, J.L., Ikeda, A., Tomiyama, K., Papworth, G.D., Huang, L., Demetris, A.J., Starzl, T.E., Murase, N. Relative Contribution of Direct and Indirect Allorecognition in Developing Tolerance After Liver Transplantation. *Liver Transplantation*, March 2008, Volume 14(3): pages 346-357. doi: 10.1002/lt.21378
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
Bulk Reagent Ordering Information and Current Pricing at www.scytek.com

Description:	Catalog #	Volume
AEC Chromogen Concentrate	ACD015	15 ml
	ACD030	30 ml
	ACD125	125 ml
AEC Substrate Buffer	ACE500	500 ml
	ACE999	1000 ml

Storage: 2° C  8° C

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