



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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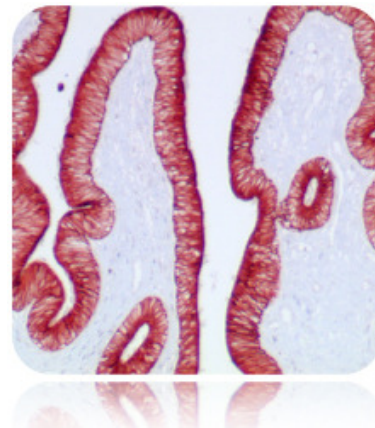
[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# 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

 ScyTek Laboratories, Inc.  
205 South 600 West  
Logan, UT 84321  
U.S.A.

 EmergoEurope (31)(0) 70 345-8570  
Molsnstraat 15  
2513 BH Hague, The Netherlands

### 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:

- Zorina, T.D., Subbotin, V.M., Bertera, S., Alexander, A.M., Haluszczak, C., Gambrell, B., Bottino, R., Styche, A.J., Trucco, M. Recovery of the Endogenous  $\beta$  Cell Function in the NOD Model of Autoimmune Diabetes. *Stem Cells*, 2003, Volume 21: pages 377-388.
- Wykosky, J., Gibo, D.M., Stanton, C., Debinski, W. EphA2 as a Novel Molecular Marker and Target in Glioblastoma Multiforme. *Molecular Cancer Research*, October 2005, Volume 3: page 541. Doi: 10.1158/1541-7786.MCR-05-0056
- 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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- Cayli, S., Ocakli, S., Erdemir, F., Tas, U., Aslan, H., Yener, T., Karaca, Z. Development expression of p97/VCP (Valosin-containing protein) and Jab1/CSN5 in the rat testis and epididymis. *Reproductive Biology and Endocrinology*, 2011, Volume 9: page 117. doi: 10.1186/1477-7827-9-117

### Bulk Reagent Ordering Information and Current Pricing at [www.scytek.com](http://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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