


## Data sheet AEC coloring system

<b>Cat. No.:</b>	<b>CT356</b>
<b>Format:</b>	10-plate
<b>Specificity:</b>	<p>Provides the substrate for the ELISPOT assay based on enzymatic staining and performed on PVDF membrane-bottomed plates.</p> <p>The system consists of two items: an AEC (3-amino-9-ethylcarbazole) stock solution and Substrate buffer capsules.</p>
<b>Application:</b>	<p>The contents of one Substrate buffer capsule should be dissolved in 100 ml 30% ethanol. After complete dissolution, 20 ml of this buffer is thoroughly mixed with 660 µl AEC stock solution. After mixing, the solution should be clear. Once prepared, the solution is stable for 30 minutes at room temperature or for 6 months at <math>\leq -20^{\circ}\text{C}</math>.</p> <p>Add 100 µl/well in the final step of the U-CyTech ELISPOT assay. Incubate in the dark. Spot development will take place between 15 to 30 minutes and can be monitored by light microscopy. When clear (red) spots have developed, stop the reaction by rinsing both sides of the membrane with demineralized water. Air-dry the plate at room temperature.</p> <p>The quality of the spots is preserved for several months when the plate is stored at a dry place in the dark (to prevent bleaching of spots).</p> <p>The product should be used in conjunction with Streptavidin-HRP conjugate (CT353).</p>
<b>Contents:</b>	<p>4 ml AEC stock solution</p> <p>5 Substrate buffer capsules</p>
<b>Sterility:</b>	-
<b>Packaging:</b>	<p>8 ml opaque amber polypropylene bottle with amber closure (AEC stock solution)</p> <p>27 ml white container with wadless closure (Substrate buffer capsules)</p>
<b>Storage:</b>	<p><b>AEC stock solution:</b></p> <p>Stable for at least 1 year when stored at <math>\leq -20^{\circ}\text{C}</math>, protected from light. AEC stock solution should be stored in polypropylene vials only.</p> <p><b>Substrate buffer capsules:</b></p> <p>Stable for an indefinite length of time when stored at room temperature, in a moisture-free environment.</p>
<b>General:</b>	<p>Do not bring AEC stock solution in contact with polystyrene pipettes, vials, etc.</p> <p>AEC stock solution: ochre solution.</p> <p>Substrate buffer capsules: transparent capsule containing white powder.</p>
<b>Safety:</b>	<p><b>Warning:</b></p> <p>AEC (3-Amino-9-ethylcarbazole) stock solution is classified as dangerous according to Regulation (EC) no. 1272/2008 and its amendments.</p>
<b>AEC stock solution:</b>	<p>Acute toxicity, Oral (Category 4)</p> <p>Skin irritation (Category 2)</p> <p>Eye irritation (Category 2)</p> <p>Carcinogenicity (Category 1A)</p> <p>Specific target organ toxicity - single exposure (Category 3)</p>
	<p><b>Hazard statements:</b></p> <p>H302: Harmful if swallowed.</p> <p>H315: Causes skin irritation.</p> <p>H319: Causes serious eye irritation.</p> <p>H335: May cause respiratory irritation.</p> <p>H350: May cause cancer</p>
	<p><b>Precaution statements:</b></p> <p>P201: Obtain special instructions before use.</p> <p>P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</p> <p>P261: Avoid breathing dust/fume/gas/mist/vapors/sprays.</p> <p>P280: Wear protective gloves/ protective clothing/eye protection/face protection.</p> <p>P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel</p>

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unwell.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water

P305 + P351 + P338: IF IN EYES: Rinse continuously with water for several minutes.

Remove contact lenses if present and easy to do. Continue rinsing.

P308 + P313: IF exposed or concerned: Get medical advice/attention.

The AEC stock solution should be handled only in a chemical fume hood. Use only non-sparking tools and keep away from open flames and hot surfaces.

In case of contact with skin, wash with soap and water and remove contaminated clothing and shoes. Upon ingestion or contact with eyes, rinse mouth (if person is conscious) or eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids. Seek medical advice immediately.

The substrate buffer capsules are not classified as hazardous according to Regulation (EC) no. 1272/2008 and its amendments.

Consult the material safety data sheet (MSDS) for further information regarding hazards and safe handling practices. The MSDS can be found on our website [www.ucytech.com](http://www.ucytech.com).



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