

Data sheet AEC coloring system

Cat. No	CT392
Format	10-plate
Specificity	AEC coloring system used in ELISPOT assay consists of two components: a concentrated AEC (3-amino-9-ethylcarbazole) stock solution and a concentrated Substrate buffer.
Application	<p>For 1 ELISPOT plate: mix 1 ml Substrate buffer (10x) thoroughly with 4.2 ml 70% ethanol and 4.8 ml demineralized water to achieve a final concentration of substrate buffer (1x) in 30% ethanol. Add 660 µl of AEC stock solution* (toxic: use a fume hood) and mix thoroughly. After mixing, the solution should be clear. This AEC solution should be used within 30 min after preparation. * Do not bring AEC stock solution into contact with polystyrene pipettes and vials.</p> <p>Add 100 µl/well. Cover the plate and incubate for 30 min at room temperature (RT: 20-26 °C) protected from light. Stop the reaction by emptying the plate and thoroughly rinse both sides of the PVDF membrane with demineralized water. Allow the plate to air dry the plate at RT (protected from light). To prevent the red spots from fading, store the plate in a dry place protected from light.</p> <p>The product should be used in combination with:</p> <ul style="list-style-type: none"> • Streptavidin-HRP conjugate (U-CyTech cat. no. CT353) • 96-well PVDF membrane-bottomed plates (Millipore cat. no. MSIP S4510).
Contents	7 ml AEC stock solution 10 ml Substrate buffer
Sterility	-
Packaging	Opaque amber polypropylene bottle with amber cap (AEC stock solution) Opaque amber polypropylene bottle with blue cap (Substrate buffer)
Storage	<p>AEC stock solution: The AEC stock solution should be stored at -32 to -18 °C and is stable until the expiry date (printed on the vial)*. It is recommended to divide the solution into small aliquots for single use in polypropylene vials. These aliquots should be stored protected from light at -32 to -18 °C (stable for at least one year). * Avoid exposure to light and air: close the vial tightly after use. Avoid contact with polystyrene pipettes and vials.</p> <p>Substrate buffer: The substrate buffer is stable until the expiry date (printed on the vial) when stored at 4 °C. Tightly close the vial after use.</p>
General	<p>Do not bring AEC stock solution into contact with polystyrene pipettes, vials, etc.</p> <p>AEC stock solution: ochre-colored solution. Substrate buffer: colorless solution.</p>
Safety	AEC coloring system is for professional use only. Follow general safety rules for laboratories.
AEC stock solution	<p>Warning: AEC (3-Amino-9-ethylcarbazole) stock solution is classified as hazardous according to Regulation (EC) No 1272/2008 and its amendments.</p> <p>Flammable liquid (Category 3), H226 Acute toxicity, Oral (Category 4), H302 Carcinogenicity (Category 1B), H350 Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Specific target organ toxicity - single exposure (Category 3), H335</p> <p>Hazard statements:</p>



U-CyTech B.V.
 Yalelaan 48
 3584 CM Utrecht
 The Netherlands
 +31 85 073 1460
 info@ucytech.com
 www.ucytech.com

H226: Flammable liquid and vapor
 H302: Harmful if swallowed
 H315: Causes skin irritation
 H319: Causes serious eye irritation
 H335: May cause respiratory irritation
 H350: May cause cancer

Precaution statements:

P201: Refer to special instructions before use.
 P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P261: Avoid breathing dust/fume/gas/mist/vapor/sprays.
 P280: Wear protective gloves/ protective clothing/eye protection/face protection.
 P301 + P312 + P330: If SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
 P332 + P313: If skin irritation occurs: get medical advice/attention.
 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.

Product consists of 1% (w/v) 3-amino-9-ethylcarbazole in N,N-diethylformamide. The AEC stock solution should be processed in a chemical fume hood. Use spark-free tools and keep away from open flames, hot surfaces and electrostatic discharges. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapor or mist. Do not let product enter drains.

Substrate buffer



Danger:

Substrate buffer is classified as hazardous according to Regulation (EC) No 1272/2008 and its amendments.

Eye irritation (Category 1), H218

Precautionary statements:

H280: Wear eye protection/ face protection
 P305 + P351 + P338: If in EYES: rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Product contains >= 3 - < 10% Sodium hydrogen di(acetate).

First aid

In case of skin contact, remove contaminated clothing/shoes and wash contaminated area with water (or shower). In swallowed or contact with eyes, rinse mouth (if person is conscious) or eyes with plenty of water for several minutes. Ensure adequate flushing by spreading eyelids. In case of inhalation, provide fresh air. If skin or eye irritation occurs, if breathing becomes difficult or feeling unwell or concerned, consult physician and show SDS.

If AEC stock solution is swallowed: do NOT induce vomiting. Consult physician immediately.

If Substrate buffer is swallowed: immediately make victim drink water (two glasses at most). Consult physician.

Refer to safety data sheet (SDS) for further information on hazards and safe handling practices. The SDS can be found at www.ucytech.com/products/additional.

