

Mono AEC/Plus Liquid Format

- Catalog No.:** K 050
- Intended Use:** Stable chromogen/substrate solution to be used in conjunction with peroxidase-based immunostaining systems.
- Introduction:** Mono AEC/Plus is a single, highly stable, AEC chromogen/substrate working solution. When used in conjunction with immunoperoxidase detection systems, AEC produces a red colored end product at positive sites, yielding strong contrast when combined with a blue hematoxylin counterstain. AEC has been well accepted among pathologists because it is less chemically hazardous than DAB. Specimens stained using Mono AEC/Plus cannot be dehydrated in ethanol and must be mounted in an aqueous-based mounting medium such as CC Mount (DBS catalog # K002).
- Product Benefits:** Mono AEC/Plus is a single stable solution, therefore:
- i) The solution is immediately ready for use, offering convenience and time savings.
 - ii) As compared to typical DAB Substrate/Chromogen solutions, this single chromogen/substrate solution can be used up until the expiration date. Unused solution does not need to be immediately discarded, reducing waste.
- Principle:** Peroxidase from the immunodetection system reacts with H₂O₂ substrate to degrade it, which reacts with AEC, precipitating it at positive sites yielding a reddish brown colored product.
- Format:** 30mL amber-colored ready to use Mono AEC/Plus solution.
- Storage:** Store at 2-8°C. Product is light-sensitive; protect from exposure to light and store in opaque bottle or in dark environment. Do not use beyond the expiration date stated on the label.
- Precautions:** AEC can cause skin irritation. Avoid contact with clothes and exposed skin. If accidentally contacted, flush immediately with tap water. Follow instructions by local authorities for disposal.
- Procedure:**
- i) Once sections have been incubated with peroxidase, wash with wash buffer.
 - ii) Wipe slides to remove excess buffer. Add enough drops of Mono AEC/Plus to cover tissue sections.
 - iii) Incubate for 5-15 minutes at room temperature. For best results, observe reaction under a microscope for signal development. Once desired signal to noise ratio is achieved, stop the reaction by washing slides in DI H₂O.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

DBS

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