Mono AEC/Plus
Liquid Format

Catalog No.: K 050-110

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, working AEC chromogen/substrate liquid solution. When used in conjunction with immunoperoxidase staining, AEC produces a red colored end product at the positive sites, yielding strong contrast when combined with a blue hematoxylin counter stain. AEC has been well accepted amongst pathologists because of its relatively less toxic nature as compared to DAB. Specimens stained using Mono AEC/Plus cannot be dehydrated in ethanol and hence need to 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. Thus, time is saved from preparing a working solution.
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 reacts with H_2O_2 substrate to degrade it, which reacts with AEC, precipitating it at positive sites yielding a reddish brown colored product.

Components: 110mL amber-colored ready to use Mono AEC/Plus solution.

Storage: Store at 2-8^{o}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 reaction by washing slides in DI H_2O.

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product
DBS *1020 Serpentine Lane, # 114, Pleasanton, CA 94566 Tel: 925 484 3350, Fax: 925 484 3390*
Website: www.dbiosys.com e-mail: customersupport@dbiosys.com