Product Datasheet

AEC Chromogen/Substrate

NB900-79773

Unit Size: 30 ml

Store at 4C. Do not freeze.

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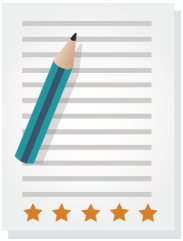

NB900-79773

AEC Chromogen/Substrate

Product Information	
Unit Size	30 ml
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at 4C. Do not freeze.

Product Description	
Specificity/Sensitivity	Peroxidase reacts with 3% Hydrogen Peroxide Substrate to degrade it, which in turn reacts with AEC to precipitate it at the positive sites giving red brown colored end product.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
Application Notes	To use as substrate/chromogen in conjunction with peroxidase based immunostaining systems. Note: The working chromogen solution is stable for 6 hours. Any solution not used after this period should be discarded. 1. Take 5 ml of distilled or de-ionized water in a test tube. 2. Add two drops of concentrated buffer and mix. 3. Add two drops of concentrated AEC Chromogen and mix. 4. Add two drops of 3% H2O2 substrate solution and mix. Procedure: 1. Once tissue sections have been incubated with peroxidase, wash them with buffer thoroughly. 2. Wipe the class to remove excess buffer and add enough drops of the working AEC solution to cover the tissue sections. 3. Incubate for 10-20 mintues at room temperature. For the best results, look under the microscope for the signal development. Once desired signal to noise ratio is achieved, stop the reaction by washing slides in wash buffer.

Procedures

AEC Chromogen/Substrate Kit Protocol (NB900-79773)
Solution Preparation

1. Add 5 ml of distilled or de-ionized water to a test tube.
2. Add two drops of concentrated buffer and mix.
3. Add two drops of concentrated AEC chromogen and mix.
4. Add two drops of 3% H2 O2 substrate solution and mix.

Working chromogen solution is stable for 6 hr. Any solution not used after this period should be discarded.

Staining

1. Once tissue sections have been incubated with peroxidase, wash them with buffer thoroughly.
2. Wipe the glass to remove excess of buffer and add enough of the AEC working solution to cover the tissue sections.
3. Incubate for 10-20 minutes at room temperature. For best results, observe signal development under the microscope. Once desired signal to noise ratio is achieved, stop the reaction by washing the slides in wash buffer.

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