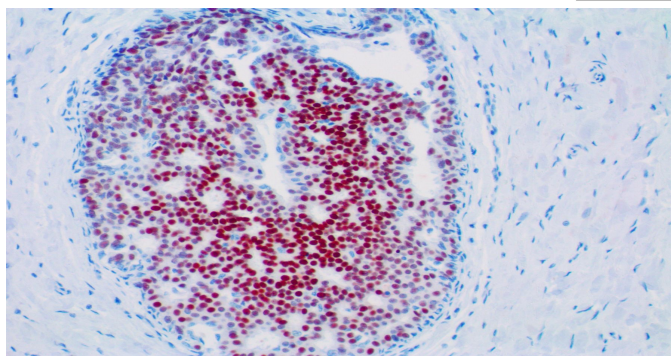


PolyDetector AEC HRP Red RTU

Substrate-Chromogen



Inset: IHC of Estrogen Receptor with AEC HRP Red RTU on Breast tissue

Intended Use

For In Vitro Diagnostic Use.

Presentation

PolyDetector AEC HRP Red Ready-to-Use Substrate-Chromogen (3-Amino-9-ethylcarbazole) is a chromogen (color forming molecule) that develops into a red precipitate.

Summary and Explanation

PolyDetector AEC HRP Red Ready-to-Use Substrate-Chromogen is suitable for use in HRP Detection Systems and allow for the demonstration of tissue antigens or nucleic acids in paraffin-embedded tissues, cryostat sections, cytosmears, and cell preparations. The substrate chromogen is the final step in the detection portion; it enables the antibody antigen complex to be viewed under the light microscope. This occurs because PolyDetector AEC HRP Red acts as an electron donor in the presence of the enzyme horseradish peroxidase; PolyDetector AEC HRP Red gets oxidized and produces a red color at the site of the target antigen or nucleic acid.

PolyDetector AEC HRP Red is soluble in organic solvents and therefore should be mounted with water-based mounting media, such as Aqua Mounter (BSB 0090-BSB 0093) or it can be mounted with permanent medium when using the Bio SB ChromoProtector (BSB 0151- BSB 0156).

Catalog No.	Concentration	Volume
BSB 0011	Ready-to-Use	15 ml
BSB 0012	Ready-to-Use	50 ml
BSB 0013	Ready-to-Use	100 ml
BSB 0014	Ready-to-Use	200 ml
BSB 0061A	Ready-to-Use	500 ml
BSB 0061	Ready-to-Use	1000 ml

Storage Store at 2-8° C

The AEC chromogen is sensitive to light. Store in an opaque container and do not expose it to direct sunlight.

Stability

This product is stable up to the expiration date on the product label.

Do not use after the expiration date listed on the package label.

Temperature fluctuations should be avoided. Store appropriately when not in use. Adhere to all local laws when disposing of this product.

Preparation of Working Solution:

Shake the PolyDetector AEC HRP Red Ready-to-Use Substrate-Chromogen solution before use.

Recommended Immunohistochemical Protocol

Step	ImmunoDetector HRP
Peroxidase Blocker	5 min.
Primary Antibody	30-60 min.
1st Detection Step	10 min.
2nd Detection Step	10 min.
Substrate-Chromogen	5-10 min.
Counterstain / Coverslip	Varies

Step	PolyDetector HRP
Peroxidase Blocker	5 min.
Primary Antibody	30-60 min.
1st Detection Step	30-60 min.
2nd Detection Step	N/A
Substrate-Chromogen	5-10 min.
Counterstain / Coverslip	Varies

Step	PolyDetector Plus HRP
Peroxidase Blocker	5 min.
Primary Antibody	30-60 min.
1st Detection Step	15 min.
2nd Detection Step	15 min.
Substrate-Chromogen	5-10 min.
Counterstain / Coverslip	Varies

Precautions

1. For professional users only. Results should be interpreted by a qualified medical professional.
3. Ensure proper handling procedures are used with reagent. Minimize microbial contamination of reagents.
2. Always wear personal protective equipment such as laboratory coats, goggles and gloves when handling reagents.
3. Dispose of unused solution with copious amounts of water.
4. Do not ingest reagent. If reagent is ingested, seek medical advice immediately.
5. Avoid contact with eyes. If contact occurs, flush with large quantities of water.
6. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar).
7. For additional safety information refer to Safety Data Sheet for this product.
8. For complete recommendations for handling biological specimens, please refer to the CDC document, "Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories" (see References in this document)

Mounting Protocol

a. Aqueous Mounting Protocol

1. After the histological, immunohistochemical or in situ hybridization staining procedure is completed, rinse slides in deionized water.
 2. Let the slides dry for 10 min.
 2. Add an Aqueous Mounting medium such as AquaMounter (BSB 0090-0093) or similar mounting media.
 3. Apply cover slip and air dry before microscopic observation.
- The signal will be preserved for about 1-2 months.

b. ChromoProtector Protocol

1. After the histological, immunohistochemical or in situ hybridization staining procedure is completed, rinse slides in deionized water. Do not incubate tissue or cell specimens in solvents such as alcohol, toluene, or xylene.
2. Using a staining dish or coplin jar, immerse slides in ChromoProtector solution or lay slides horizontally and apply sufficient drops of ChromoProtector (BSB 0151 – BSB 0156) to completely cover the tissue. Carefully spread ChromoProtector if needed, but avoid contacting the tissue.
3. Incubate slides for ten minutes at 60 °C to allow ChromoProtector to penetrate tissues.
4. Remove excess ChromoProtector by placing slides vertically over an absorbent material and let excess drain off into absorbent material. Do not rinse slides.
5. Allow slides to COMPLETELY air dry.

NOTE: The ChromoProtector will protect tissue from drying artifacts during the air-drying process.

6. Add an organic Permanent Mounting medium such as XyGreen PermaMounter (BSB 0169-0174), PermaMounter (BSB 0094-0097) or similar permanent mounting media.
7. Apply cover slip and air dry before microscopic observation.









Product Limitations

Due to inherent variability present in immunohistochemical procedures (including fixation time of tissues, dilution factor of antibody, retrieval method utilized and incubation time), optimal performance should be established through the use of positive and negative controls. Results should be interpreted by a qualified medical professional.

References

1. U.S. Department of Health and Human Services: Centers for Disease Control and Prevention. Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories. Supplement / Vol. 61, January 6, 2012.

Symbol Key / Légende des symboles/Erläuterung der Symbole

 QAdvis EAR AB Ideon Science Park Scheelevägen 17 SE-223 70 Lund, Sweden	 Storage Temperature Limites de température Zulässiger Temperaturbereich	 Manufacturer Fabricant Hersteller	 Catalog Number Référence du catalogue Bestellnummer
 In Vitro Diagnostic Medical Device Dispositif médical de diagnostic in vitro In-Vitro-Diagnostikum	 Read Instructions for Use Consulter les instructions d'utilisation Gebrauchsanweisung beachten	 Expiration Date Utiliser jusqu'à Verwendbar bis	 Lot Number Code du lot Chargenbezeichnung