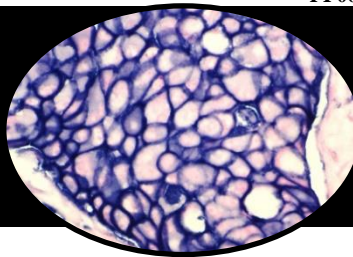


Bio SB
BIO SCIENCE FOR THE WORLD



IVD

For In Vitro Diagnostic Use

POLYDETECTOR ALK BLUE READY-TO-USE SUBSTRATE-CHROMOGEN

Intended Use *For In Vitro Diagnostic Use.*

Summary And Explanation **PolyDetector Alk Blue Ready-to-Use Substrate-Chromogen** is suitable for use in Immunohistochemical, immunocytochemical and *in situ* hybridization procedures using **Alkaline Phosphatase Detection Systems**.

PolyDetector Alk Blue Ready-to-Use Substrate-Chromogen allows 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-enzyme complex to be viewed under the light microscope. This occurs when **Alk Blue**, in the presence of **Alkaline Phosphatase**, gets deposited at the site of the target antigen or nucleic acid, producing a dark blue color that is not soluble in organic solvents and therefore can be mounted with permanent or water-based mounting media. **Alk Blue** is suitable to be mounted with a permanent or water-based mounting media, such as **Perma Mounter** (BSB 0094-BSB 0097), **XyGreen PermaMounter** (BSB 0169 – BSB 0174), or **Aqua Mounter** (BSB 0090-BSB 0093).

Presentation **PolyDetector Alk Blue Ready-to-Use Substrate-Chromogen** is a solution (color forming molecule) that develops into a dark blue precipitate.

Availability

Catalog No.	Concentration	Volume
BSB 0062	Ready-to-Use	15 mL
BSB 0063	Ready-to-Use	50 mL
BSB 0064	Ready-to-Use	100 mL
BSB 0065	Ready-to-Use	200 mL
BSB 0066	Ready-to-Use	1000 mL

Storage Store at 2-8°C

Stability Stable up to the expiration date listed on the label. Do not use this product after the expiration date listed on the product label.

Preparation of Working Solutions

Shake the **PolyDetector Alk Blue Ready-to-Use Substrate-Chromogen** solution before use.

Protocol

Mounting Protocol

A. Alcohol/Xylene Protocol

1. After the histological, immunohistochemical or *in situ* hybridization staining procedure is completed, rinse slides in deionized water.
2. Dip the slides in alcohol 30%, 70%, and 100% for 1-2 minutes, then dip for 1-2 minutes in 3 xylenes.
3. Add an organic Permanent Mounting medium such as **XyGreen PermaMounter** (BSB 0169-0174), **PermaMounter** (BSB 0094-0097) or similar permanent mounting media.
4. Apply cover slip and air dry before microscopic observation.

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.

- Using a coplin jar or a staining dish, immerse slides with tissues in **ChromoProtector** or lay wet 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.
- Incubate slides for ten minutes at 60 °C to allow **ChromoProtector** to penetrate tissues.
- Remove excess **ChromoProtector** by placing slides vertically over an absorbent material and let excess drain off into absorbent material. Do not rinse slides.
- Allow slides to COMPLETELY air dry.
NOTE: The **ChromoProtector** will protect tissue from drying artifacts during the air-drying process.
- When slides are completely dried, they can be mounted using most standard mounting methods such as aqueous or permanent.
- Permanent Mounting**
 - Do not dehydrate slide through alcohol and/or xylene prior to mounting.
 - Permanent Mounting** medium such as **XyGreenPermaMounter** (Cat # BSB 0169-0174), **PermaMounter** (Cat# BSB 0094-0097) or similar permanent mounting media can be added directly to the slide until the tissue or cell specimen is covered.
 - If the **Permanent Mounting** medium does not spread evenly on the dry slide, the slide can be dipped in toluene or xylene for 1 – 2 seconds to aid spreading of the mounting medium.
 - Use a minimum amount of mounting medium so that slides dry rapidly.
 - Apply coverslip and air dry before microscopic observation.

Immunohistochemical Protocol

Step	ImmunoDetector AP	PolyDetector AP
AP Blocker	5 minutes	5 minutes
Primary Antibody	30-60 minutes	30-60 minutes
Secondary Biotinylated Link	10 minutes	N/A
AP Label	10 minutes	30-45 minutes
PolyDetector Alk Blue Substrate Chromogen	5-10 minutes	5-10 minutes
Counterstaining	Time varies with counterstain	Time varies with counterstain








Precautions

- For professional users only. Results should be interpreted by a medical professional.
- Ensure proper handling procedures are used with reagent. Always wear proper personal protective equipment such as laboratory coat, goggles and gloves when handling reagents.
- Minimize microbial contamination of reagents.
- Dispose of unused solution according to local and federal regulations.
- Do not ingest reagent. If reagent ingested, contact a poison control center immediately.
- Avoid contact with eyes. Flush with large quantities of water if contact occurs.
- 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” (1).

References

- 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

 In Vitro Diagnostic Medical Device Dispositif médical de diagnostic in vitro In-Vitro-Diagnostikum	 Storage Temperature Limites de température Zulässiger temperaturbereich	 Manufacturer Fabricant Hersteller	 Catalog Number Référence du catalogue Bestellnummer
	 Read Instructions for Use Consulter les instructions d'utilisation Gebrauchsanweisung beachten	 Expiration Date Utiliser jusque Verwendbar bis	 Lot Number Code du lot Chargenbezeichnung



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