

PolyDetector Peroxidase Blocker

RUO



Intended Use

For Research Use Only.

Summary and Explanation

The PolyDetector Peroxidase Block is a peroxidase free solution used to block the endogenous peroxidase enzymes and transition metals that naturally occur in paraffin-embedded tissues, cryostat sections, blood smears, cytospins, and cell preparations.

Blocking endogenous peroxidase activity is a necessary step when performing immunohistochemistry and CISH applications utilizing a horseradish peroxidase enzyme (HRP) label. If this step is eliminated from the protocol, endogenous peroxidase enzymes or transition metals may cause the chromogen to precipitate, thereby causing background or nonspecific staining to occur. Using this reagent eliminates this possibility.

Presentation

The PolyDetector Peroxidase Block is provided in liquid form ready-to-use. It contains a PBS buffer, reagents, stabilizers and sodium azide as anti-microbial.

<i>Catalog No.</i>	<i>Concentration</i>	<i>Volume</i>
BSB-0050-RUO	Ready-to-use	15 mL
BSB-0051-RUO	Ready-to-use	50 mL
BSB-0052-RUO	Ready-to-use	100 mL
BSB-0053-RUO	Ready-to-use	200 mL
BSB-0054-RUO	Ready-to-use	1000 mL

Storage Store at 2-8°C

Stability

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

Do not use after expiration date listed on package label. Temperature fluctuations should be avoided. Store appropriately when not in use.

Adhere to all local laws when disposing of this product.

Precautions

1. For professional users only. Results should be interpreted by a qualified medical professional.
2. This product contains <0.1% sodium azide (NaN₃) as a preservative. Ensure proper handling procedures are used with this reagent.
3. Always wear personal protective equipment such as laboratory coat, goggles and gloves when handling reagents.
4. Dispose of unused solution with copious amount of water.
5. Do not ingest reagent. If reagent is ingested, seek medical advice immediately.
6. Avoid contact with eyes. If contact occurs, flush with large quantities of water.
7. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar).
8. For additional safety information refer to Safety Data Sheet for this product.
9. 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).

Preparation of Working Solution

The PolyDetector Peroxidase Block is a ready-to-use working solution and requires no further preparation.

Recommended Protocol

Apply the PolyDetector Peroxidase Block for 5 minutes before or after HIER (Heat Induced Epitope Retrieval), then rinse well with distilled water or a wash buffer.

Abbreviated Immunohistochemical Protocol

Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector Plus HRP
Peroxidase/AP Blocker	5 min.	5 min.	5 min
Primary Antibody	30-60 min.	30-60 min.	30-60 min.
1st Step Detection	10 min.	30-45 min.	15 min.
2nd Step Detection	10 min.	Not Applicable	15 min.
Substrate- Chromogen	5-10 min.	5-10 min.	5-10 min.
Counterstain / Coverslip	Varies	Varies	Varies

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

	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