

ImmunoDetector Biotin Blocker



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Intended Use

For In Vitro Diagnostic Use.

Summary and Explanation

ImmunoDetector Biotin Blocker is a two-step endogenous biotin blocking system used for immunohistochemistry (IHC) and *in-situ* hybridization (ISH) procedures. This blocking system is useful for blocking endogenous biotin in both frozen and formalin-fixed paraffin-embedded (FFPE) tissues (pancreas, kidney, liver, etc.) that contain higher levels of biotin that may yield false positive results. It can be used in autostainers as well as manual staining procedures.

Presentation

ImmunoDetector Biotin Blocker is provided in liquid form ready-to-use. It is comprised of two solutions in a buffer, reagents, stabilizers, and contains a sodium azide anti-microbial.

1. Avidin Solution (Blue)
2. Biotin Solution (Orange)

<i>Catalog No.</i>	<i>Concentration</i>	<i>Volume/Qty</i>
BSB 0098	Ready-to-use	15 mL
BSB 0099	Ready-to-use	50 mL
BSB 0100	Ready-to-use	100 mL
BSB 0101	Ready-to-use	200 mL
BSB 0102	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, and avoid prolonged exposure to room temperature conditions.

Note: Avidin solution (blue) may become turbid due to formation of precipitate after prolonged storage. Such turbidity is normal and will not affect the solution/kit performance. If desired for esthetic reasons, precipitate may be removed by centrifugation for 10 minutes. Removal of precipitate will not affect the solution/kit performance.

Precautions

- 1 For professional users only. Results should be interpreted by a 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 according to local and federal regulations.
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. 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).

Preparation of Working Solution

ImmunoDetector Biotin Blocker is a ready-to-use working solution and requires no further preparation.

Recommended Protocol

1. Deparaffinize and rehydrate tissues if necessary.
2. Place cut and dried slides in Immuno/DNA Retriever with Citrate or EDTA and perform its recommended heat protocol.
3. Wash with 5 changes of IHC wash buffer.
4. Place slides in Peroxidase or AP Blocker for 5 minutes.
5. Wash with 3 changes of IHC wash buffer.
6. Cover tissue with Avidin Solution (Blue) of Biotin Blocker for 10 minutes.
7. Wash with 3 changes of IHC wash buffer.
8. Cover tissue with Biotin Solution (Orange) of Biotin Blocker for 10 minutes.
9. Wash with 3 changes of IHC wash buffer.
10. Continue to follow the IHC/ISH protocol.

Abbreviated Immunohistochemical Protocol

Step	ImmunoDetector AP/HRP
AP Blocker	5 min.
Biotin Blocker	10 min.
Primary Antibody	30-60 min.
1st Step Detection	10 min.
2nd Step Detection	10 min.
Substrate-Chromogen	5-10 min.
Counterstain / Coverslip	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		
		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 jusque Verwendbar bis		Lot Number Code du lot Chargenbezeichnung

