

Mouse/Rabbit PolyDetector HRP/DAB Detection System

Intended Use

For In Vitro Diagnostic Use.

Summary and Explanation

The Mouse/Rabbit PolyDetector HRP/DAB System is a non-biotin, 2-step polymeric detection system that allows for the demonstration of antigens in paraffin-embedded tissue, cryostat sections, blood smears, cytospins, and cell preparations. The PolyDetector kits have been developed using a proprietary tandem hyperlabelling technology used to directly label immunoglobulins with enzymes. This ensures consistent and reproducible immunostaining for all types of nuclear, cytoplasmic and membranous antigens, in different types of tissues.

The increased sensitivity of the Mouse/Rabbit PolyDetector HRP/DAB Detection System allows for rapid staining procedures without compromising stain quality. The Mouse/Rabbit PolyDetector HRP/DAB Detection System is suitable for use with mouse IgG and IgM and rabbit primary antibodies, both monoclonal and polyclonal. The Mouse/Rabbit PolyDetector HRP/DAB Detection System kits are optimized for use with Bio SB primary antibodies; however, they are universal kits and therefore work equally well with prediluted and concentrated antibodies from different vendors.

Presentation

The Mouse/Rabbit PolyDetector HRP/DAB Detection System contains a Peroxidase Blocker solution, an Anti-Mouse/Rabbit Horseradish Peroxidase solution, a DAB Buffer, and a DAB Chromogen solution. All the components are buffered with stabilizers and a non-azide anti-microbial.

Storage

Store at 2°C - 8°C

Stability 3 years

The ImmunoDetector Solutions are stable at 2-8°C for up to 3 years from when originally produced (see expiration date on product label). These products are stable up to the expiration date on the label. Do not use this product after the expiration date. Adhere to all local laws when disposing of this product.

Protocol

Suggested protocol on reverse.

Availability

Catalog Num.	Volume
BSB 0201S	5 mL Each
BSB 0201	15 mL Each
BSB 0201H	15 mL Label Only
BSB 0203	50 mL Each
BSB 0203H	50 mL Label Only
BSB 0205	100 mL Each
BSB 0205H	100 mL Label Only
BSB 0207	200 mL Each
BSB 0207H	200 mL Label Only
BSB 0207A	1000 mL Each
BSB 0207AH	1000 mL Label Only

Preparation of Working Solutions

The **PolyDetector Peroxidase Blocker** and **Anti-Mouse/Rabbit Horseradish Peroxidase Label** are ready-to-use working solutions and require no further preparation. The **DAB Chromogen** is concentrated and needs to be diluted and mixed into the **DAB Buffer** to produce the working DAB substrate-chromogen solution. For each 1 mL of working DAB substrate-chromogen solution required for the experiment, 1 drop of **DAB Chromogen** should be added and mixed into 1 mL of **DAB Buffer**.

Working DAB Substrate-Chromogen Required	1 mL	2 mL	3 mL
DAB Buffer	1 mL	2 mL	3 mL
DAB Chromogen	1 Drop	2 Drops	3 Drops

Recommended Immunohistochemical Protocol

- Cut and mount 3-4 micron formalin-fixed paraffin-embedded tissues on positive charged slides.
- Air dry for 2 hours at 58° C.
- Deparaffinize, dehydrate and rehydrate tissues.
- Subject tissues to heat epitope retrieval using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate (BSB 0020-BSB 0023) or EDTA (BSB 0030-BSB 0033).
- Wash with 5 changes of IHC Wash buffer.
- Place slides in **PolyDetector Peroxidase Blocker** for 5 min.
- Wash with 3 changes of IHC wash buffer.
- Cover tissue with the **Primary Antibody** following manufacturer's recommended protocol. If using concentrated antibodies, we suggest using our **ImmunoDetector Protein Blocker/Antibody Diluent** to dilute antibodies.
- Wash with 3 changes of IHC wash buffer.
- Cover tissue with **PolyDetector HRP Label**, incubate for 45 min.
- Rinse with 3 changes of IHC wash buffer.
- Prepare DAB by adding one drop of **PolyDetector DAB Chromogen** per mL of **PolyDetector DAB Buffer** and mix.
- Cover tissue with prepared DAB substrate-chromogen solution, incubate for 10 min.
- Rinse with 5 changes of DI water
- Counterstain and then dehydrate.
- Coverslip.

Abbreviated Immunohistochemical Protocol

Step	PolyDetector HRP
Peroxidase Blocker	5 minutes
Primary Antibody	45 minutes
HRP Label	45 minutes
DAB Substrate-Chromogen	10 minutes
Counterstaining	Time Varies with counterstain








Precautions

- Ensure proper handling procedures are used with reagent. Always wear proper personal protective equipment such as laboratory coat, goggles and gloves when handling reagents.
- This product contains sodium azide (NaN₃), a toxic chemical. At product concentrations it is not classified as hazardous due to its low concentration. Sodium azide which may react with plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up.
- Minimize microbial contamination of reagents.
- Dispose of unused solution according to local and federal regulations.
- Do not ingest reagent. If reagent ingested, seek medical advice immediately.
- Avoid contact with eyes. Flush with large quantities of water if contact occurs.
- Follow safety precautions for the heating device (TintoRetriever Pressure Cooker or similar).
- For professional users only. Results should be interpreted by a medical professional.
- 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



69 Santa Felicia Dr., Santa Barbara, CA 93117, USA
Tel: (805) 692-2768 | Tel: (800) 561-1145 | Fax: (805) 692-2769
E-mail: info@biosb.com | Website: www.biosb.com