

Mouse/Rabbit PolyDetector Plus HRP/DAB Detection System

Intended Use

For In Vitro Diagnostic Use.

Summary and Explanation

The Mouse/Rabbit PolyDetector Plus HRP/DAB System is a 3-step polymeric detection system that allows for the demonstration of antigens in paraffin-embedded tissue, cryostat sections, blood smears, cytosmears, 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 Mouse/Rabbit PolyDetector Plus 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 Plus HRP/DAB Detection System kits are optimized for use with Bio SB primary antibodies; however, they are universal kits and therefore should work equally well with prediluted and concentrated antibodies from different vendors, as long as they are optimized.

Presentation

The Mouse/Rabbit PolyDetector Plus HRP/DAB Detection System contains a Peroxidase Blocker solution, a PolyDetector Plus Link 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 Number	Volume
BSB 0257S	5 mL Each
BSB 0257	15 mL Each
BSB 0259	50 mL Each
BSB 0261	100 mL Each
BSB 0263	200 mL Each
BSB 0265	1000 mL Each
BSB 0267	15 mL Plus Link & HRP Label
BSB 0268	50 mL Plus Link & HRP Label
BSB 0269	100 mL Plus Link & HRP Label
BSB 0270	200 mL Plus Link & HRP Label
BSB 0271	1000 mL Plus Link & HRP Label
BSB 0272	15 mL Plus Link Only
BSB 0273	50 mL Plus Link Only
BSB 0274	100 mL Plus Link Only
BSB 0275	200 mL Plus Link Only
BSB 0276	1000 mL Plus Link Only
BSB 0277	15 mL HRP Label Only
BSB 0278	50 mL HRP Label Only
BSB 0279	100 mL HRP Label Only
BSB 0280	200 mL HRP Label Only
BSB 0281	1000 mL HRP Label Only

Preparation of Working Solutions

The **PolyDetector Peroxidase Blocker**, **PolyDetector Plus Link** 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 Plus Link**, incubate for 15 min.
- Wash with 3 changes of IHC wash buffer.
- Cover tissue with **PolyDetector HRP Label**, incubate for 15 min.
- Wash with 3 changes of IHC wash buffer.
- Prepare DAB by adding one drop of **PolyDetector DAB Chromogen** per mL of **PolyDetector DAB Buffer** & mix.
- Cover tissue with prepared DAB substrate-chromogen solution, incubate for 5-10 min.
- Rinse with 3 changes of IHC wash buffer
- Counterstain and then dehydrate.
- Coverslip.

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).








Abbreviated Immunohistochemical Protocol

Step	PolyDetector Plus HRP
Peroxidase Blocker	5 minutes
Primary Antibody	30 - 60 minutes
Plus Link	15 minutes
HRP Label	15 minutes
DAB Substrate-Chromogen	5 - 10 minutes
Counterstaining	Time Varies with counterstain

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 Zulassiger 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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