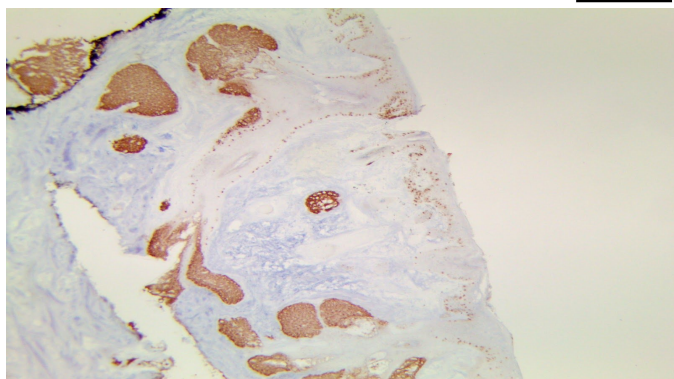


## Mohs Mouse/Rabbit PolyDetector Plus DAB HRP Brown Detection System



*Inset: IHC of PRAME on a Frozen Melanoma Tissue*

### Intended Use

For In Vitro Diagnostic Use.

### Summary and Explanation

The Mohs Mouse/Rabbit PolyDetector Plus DAB HRP Brown Detection System is a non-biotin 2-step Fab micropolymeric detection system that allows for the demonstration of antigens in cryostat sections, formalin-fixed paraffin-embedded tissues, blood smears, cytosmears, and cell preparations. The Mohs PolyDetector Plus kit has been developed using a biopolymer conjugated to monomeric Fab' immunoglobulin fractions targeting the Fc region of Mouse and Rabbit antibodies. Additionally, the biopolymer is labeled with high quality HRP for maximum sensitivity. This ensures excellent cellular penetration which generates consistent, reproducible sensitive and specific immunostainings for all types of nuclear, cytoplasmic and membranous localization in frozen and FFPE tissues.

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

### Presentation

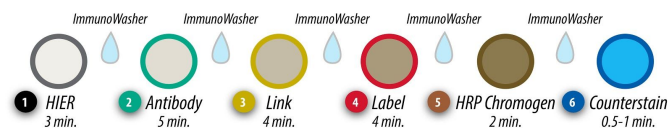
The Mohs Mouse/Rabbit PolyDetector Plus DAB HRP Brown Detection System contains Anti-Mouse/Rabbit Horseradish Peroxidase micropolymer link and label, a DAB Buffer Substrate, and a DAB Chromogen solution. All components are buffered with stabilizers and a non-azide anti-microbial agent.

Catalog No.	Volume
BSB-0355-5	5 mL Each
BSB-0355-15	15 mL Each
BSB-0355-10	50 mL Each
BSB-0355-100	100 mL Each

**Storage** Store at 2-8° C

### Abbreviated Immunohistochemical Protocol

Step	Mohs PolyDetector Plus DAB HRP Brown: 20 min Protocol
HIER	3 min.
Primary Antibody	5 min.
1st Step Detection	4 min.
2nd Step Detection	4 min.
Substrate-Chromogen	2 min.
Counterstain / Coverslip	0.5 - 1 min.



### Stability

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

Do not use after expiration date listed on the 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.
3. Ensure proper handling procedures are used with reagent. Minimize microbial contamination of reagents.
2. Always wear personal protective equipment such as laboratory coats, goggles and gloves when handling reagents.
3. Dispose of unused solution with copious amounts of water.
4. Do not ingest reagent. If reagent is ingested, seek medical advice immediately.
5. Avoid contact with eyes. If contact occurs, flush with large quantities of water.
6. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar).
7. For additional safety information refer to Safety Data Sheet for this product.
8. 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).

## Specimen Preparation

### Frozen sections and cell preparations:

1. Embed the specimen in OCT inside a cryostat.
2. Cut sections at 4-5 µm and mount on a positively charged glass slide such as the Bio SB Hydrophilic Plus Slides (BSB 7028) or TintoDetector Cap Gap Plus (BSB 7006).
3. Air dry the slide at room temperature for 2 minutes and then incubate the slide at 60 °C for 3 minutes in an incubator or dry bath. Fix in 100% acetone and air dry or fix with 10% NBF for 2 minutes at room temperature then rinse with distilled water and air dry.
4. Frozen tissue pretreatment depends on the target of interest. Refer to product insert for primary antibody to determine appropriate pretreatment protocol.

### FFPE Tissue Sections:

1. Cut and mount 3-5-micron formalin-fixed paraffin-embedded tissues on positive charged slides such as Bio SB Hydrophilic Plus Slides (BSB 7028) or TintoDetector Cap Gap Slides (BSB 7006).
2. Air dry for 1 hour at 58° C.
3. Deparaffinize, dehydrate and rehydrate tissues. Additionally, TintoDeparaffinator Citrate or EDTA (BSB 0175 - BSB 0178) can be used to deparaffinize, retrieve and hydrate FFPE Tissues.
4. Subject tissues to heat induced epitope retrieval (HIER) using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate (BSB 0020-BSB 0023) or EDTA (BSB 0030-BSB 0033).
5. Any of three heating methods may be used:

#### a. TintoRetriever Pressure Cooker or Equivalent

Place tissues/slides in a staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA or TintoDeparaffinator Citrate or EDTA, and place on trivet in the pressure cooker. Add 1-2 inches of distilled water to the pressure cooker and turn heat to high. Incubate for 15 minutes. Release vapor, open and immediately transfer slides to room temperature.

#### b. TintoRetriever PT Module or Water Bath Method

Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA, or TintoDeparaffinator Citrate or EDTA at 95°-99° C. Incubate for 30-60 minutes. Open and immediately transfer slides to room temperature.

### c. Conventional Steamer Method

- Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA, or TintoDeparaffinator Citrate or EDTA in a steamer, cover and steam for 30-60 minutes.
6. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA, or in TintoDeparaffinator Citrate or EDTA to room temperature and let stand for 15-20 minutes.
  7. For manual IHC, perform antibody incubation at ambient temperature. For automated IHC methods, perform antibody incubation according to the instrument manufacturer's instructions.
  8. Wash slides with ImmunoDNA washer or DI water.
  9. Continue IHC protocol.

### IHC Detection Procedure

1. After HIER or PIER, transfer slides to ImmunoDNA washer and let stand for 1-2 minutes.
2. For manual IHC, perform antibody incubation at ambient temperature. For automated IHC methods, perform antibody incubation according to instrument manufacturer's instructions.
3. Wash slides with ImmunoDNA washer or DI water.
4. Continue Mohs IHC detection protocol. Wash slides between each step with ImmunoDNA washer solution.

### Mounting Protocol

Mount with aqueous mounting such as AquaMounter (BSB-0090- BSB 0093) or permanent mounting media such as XyGreen PermaMounter (BSB 0169-0174) or organic solvent-based resin such as PermaMounter (BSB 0094-0097).

### 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.

<https://www.cdc.gov/mmwr/pdf/other/su6101.pdf>

## Symbol Key / Légende des symboles/Erläuterung der Symbole

	EMERGO EUROPE Prinsessegracht 20 2514 AP The Hague The Netherlands		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