

Fast ChromoProtector RUO



Intended Use

For Research Use Only.

Summary and Explanation

For use in histological, immunohistochemical and in situ hybridization staining procedures to preserve stains before the permanent mounting of tissues or cell preparations. The Fast ChromoProtector is applied prior to mounting of slides and is useful in preserving stains like HRP Green (Cat# BSB 0128-0133), ALK Brown (Cat# BSB 0072-0076), ALK Magenta (Cat# BSB 0077-0081), ALK Scarlet (Cat# BSB 0138-0142) and other similar substrate-chromogens that might otherwise dissolve in organic mounting media. DAB (Cat# BSB 0015-0018), HRP Black (Cat# BSB 0087-0090), ALK Blue (Cat# BSB 0062-0066), or other substrate-chromogens suitable for permanent mounting can also be mounted using Fast ChromoProtector for a solvent/xylene-free procedure.

Fast ChromoProtector when used with the TintoDeparaffinator Citrate or EDTA (Cat# BSB 0175-0180) and XyGreen PermaMunter (Cat# BSB 0169-0174) allows for a solvent/xylene-free and alcohol free environment when conducting histological, immunohistochemical and in situ hybridization procedures.

Presentation

Liquid, ready-to-use solution containing polymers for sealing histological, immunohistochemical and in situ hybridization procedures for preservation of stains when slides are mounted before microscopic observation.

<i>Catalog No.</i>	<i>Concentration</i>	<i>Volume</i>
BSB-0327-15-RUO	Ready-to-use	15 mL
BSB-0327-50-RUO	Ready-to-use	50 mL
BSB-0327-100-RUO	Ready-to-use	100 mL
BSB-0327-200-RUO	Ready-to-use	200 mL
BSB-0327-500-RUO	Ready-to-use	500 mL
BSB-0327-1000-RUO	Ready-to-use	1000 mL

Storage Store at 20-25°C

Stability

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

Do not use the 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.

Preparation of Working Solution

Chromoprotector is a ready-to-use working solution and requires no further preparation.

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 an 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 the 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).

Mounting Protocol

Some Chromogens are partially soluble in organic solvents. For best results and long-lasting signal retention, use the Fast ChromoProtector. Any of two mounting methods may be used:

a. Fast ChromoProtector with Cap Gap

If using the Bio SB Capillary Gap system, draw the Fast ChromoProtector up into the capillary gap, completely covering the tissue. Allow it to sit for 30 seconds to 1 minute, then separate the slides and allow the Fast ChromoProtector to drain off. Dry the slides completely and mount with one drop of mounting media.

b. Fast ChromoProtector on single slides

Drip the Fast ChromoProtector on the tissue, allow it to sit for 30 sec. and let it drain off the tilted slide. Dry the slides completely and mount with one drop of mounting media.

After Fast ChromoProtector pretreatment, mount a slide with aqueous or permanent mounting media.

For detailed instructions using biodegradable permanent mounting media such as XyGreen PermaMounter (BSB 0169-0174) or organic solvent based resin such as PermaMounter (BSB 0094-0097), refer to PI0174 or PI0097.

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>

Abbreviated Immunohistochemical Protocol

Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetect or 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

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 jusqu'à Verwendbar bis	 Lot Number Code du lot Chargenbezeichnung