

XyGreen PermaMounter



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Intended Use

For Research Use Only.

Summary and Explanation

XyGreen PermaMounter is a non-toxic, biodegradable permanent mounting media designed for the preservation of immunohistochemical and CISH stainings. XyGreen PermaMounter is ideally suited for mounting cells or tissue sections immunostained using horseradish peroxidase, alkaline phosphatase, or other suitable enzymes and their substrate-chromogens such as DAB, HRP Black, AP Blue and others, as well as H&E Tissues.

The XyGreen PermaMounter is suitable for permanent mounting of cells or tissue specimens treated with the Bio SB ChromoProtector to preserve stains of solvent sensitive substance-chromogens such as AEC, Fast Red, HRP Blue, HRP Green, Alk Magenta, Alk Scarlet, Alk Red, Alk Brown, and others. Refractive Index: 1.475 ± 0.002 .

Presentation

XyGreen PermaMounter is provided in liquid form ready-to-use. It contains a reusable biodegradable solvent, buffer solution and reagents.

<i>Catalog No.</i>	<i>Concentration</i>	<i>Volume/Qty</i>
BSB 0169	Ready-to-use	15 mL
BSB 0170	Ready-to-use	50 mL
BSB 0171	Ready-to-use	100 mL
BSB 0172	Ready-to-use	200 mL
BSB 0173	Ready-to-use	500 mL
BSB 0174	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 after expiration date listed on package label. Temperature fluctuations should be avoided. Store appropriately when not in use. Adhere to all local laws when disposing of this product.

To avoid evaporation, close bottle tightly with original cap.

Precautions

- 1 For professional users only. Results should be interpreted by a medical professional.
2. 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

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

Recommended Protocol

A. Using Solvents like Xylenes and Alcohol

1. After counterstaining and rinsing slides with washing buffer, dehydrate slides with alcohol.
2. Treat slides with xylene or a xylene substitute.
3. Apply 1 - 3 drops of XyGreen PermaMounter, then coverslip avoiding air bubbles.
4. Allow slides to dry at room temperature.
5. Observe under microscope.

B. Using ChromoProtector

1. After the histological immunohistochemical or in situ hybridization staining procedure is complete, rinse slides in buffer, then rinse with deionized or distilled water. Do not incubate cells or tissue specimens in solvents such as alcohol, toluene, xylene, or substitutes.
2. Using a coplin jar or a staining dish with a slide rack, submerge slides in ChromoProtector solution or apply sufficient drops to slides and incubate in an incubator at 60°C.
3. Remove slides in racks (or individually), letting them completely dry at room temperature.
4. After slides are completely dried, apply 1 – 3 drops of the XyGreen PermaMounter, then coverslip avoiding air bubbles.
5. Allow slides to dry at room temperature.
6. Observe under microscope.

Abbreviated Immunohistochemical Protocol

Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector 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

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
	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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