

CytoLayer Slide Treatment Solution

RUO



Intended Use

For Research Use Only.

Summary and Explanation

The CytoLayer Slide Treatment Solution is intended to be used to treat the Hydrophilic Plus Slides prior to sedimentation of liquid cytology samples. This treatment significantly improves adherence of cells to the slide surface and is critical for reliable processing of liquid cytology samples.

Presentation

The CytoLayer Slide Treatment Solution is provided as individually packed bottles in three different volumes.

Catalog No.	Concentration	Volume
BSB-4026-RUO	Ready-to-use	100 mL
BSB-4027-RUO	Ready-to-use	500 mL
BSB-4032-RUO	Ready-to-use	1000 mL

Storage Store at 2-8°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.

Precautions

1. For professional users only. Results should be interpreted by a qualified medical professional.
2. This product contains <0.1% sodium azide (NaN_3) 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 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 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).

Preparation of Working Solution

The CytoLayer Slide Treatment Solution is a ready-to-use working solution and requires no further preparation.

Recommended Protocol

1. Warm CytoLayer Slide Treatment Solution to room temperature.
2. Soak Hydrophilic Plus Slides in CytoLayer Slide Treatment Solution that has been WARMED TO ROOM TEMPERATURE (50 ml per 50 slides) for 16 hours (overnight) at room temperature using a coupling jar or other suitable container.
3. Remove Hydrophilic Plus Slides from the container and let dry for at least 1 hour at 60°C or overnight at room temperature until dry. Use clean coupling jar or other suitable container.
4. Use slides according to CytoLayer protocol or any other liquid based cytology protocol.

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 jusqu'à Verwendbar bis		Lot Number Code du lot Chargenbezeichnung