Nuclear Fast Red Counterstainer

IVD

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Intended Use
For In Vitro Diagnostic Use.

Summary and Explanation
Nuclear Fast Red Counterstainer is designed to be used as a counterstainer after completion of immunohistochemical or *in situ* hybridization procedures or for routine histology. Nuclei in stained sections will be pink to light red in color.

Nuclear Fast Red Counterstainer has improved stability over other formulations allowing this solution to be stored at room temperature or at refrigeration temperature (2-8°C). Other formulations tend to precipitate in cold temperatures. In addition, most formulations develop a small amount of precipitate over extended periods of time. This formulation completely eliminates the problems associated with exposure to cold and aging.

Presentation
Nuclear Fast Red Counterstainer is provided in liquid form ready-to-use. It contains Nuclear Fast Red histological grade, a buffer solution, and a sodium azide anti-microbial.

Catalog No.	*Concentration*	*Volume*
BSB 0116	Ready-to-use	15 mL
BSB 0117	Ready-to-use	50 mL
BSB 0118	Ready-to-use	100 mL
BSB 0119	Ready-to-use	200 mL
BSB 0120	Ready-to-use	500 mL
BSB 0121	Ready-to-use	1000 mL

Storage Store at 20-25^{0}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 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 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
Nuclear Fast Red Counterstainer is a ready-to-use working solution and requires no further preparation.

Recommended Protocol

1. Rinse slides in tap water.
2. Immerse slides in Nuclear Fast Red Counterstainer or apply counterstain directly to slide, completely covering the tissue section.
3. Incubate sections for 1 to 10 minutes to obtain desired stain intensity.
4. Wash slides in tap water for 5 to 10 minutes. Washing for longer than 10 minutes may lead to decreased counterstain intensity.
5. Dehydrate, clear, and mount.

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	REF Catalog Number Référence du catalogue Bestellnummer
IVD 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 Lot Number Code du lot Chargenbezeichnung

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