

NeoPATH Pro Antigen Retrieval 1 (AR1)

Antigen Retrieval
902-10106-120925



Available Product Formats	
Catalog Number	Volume
NPRR10106T50	30 mL

Intended Use:

For Research Use Only. Not for use in diagnostic procedures.

Background Information:

The NeoPATH Pro Antigen Retrieval 1 (AR1) is designed as a Tris-EDTA-based buffer used in heat-induced antigen retrieval (HIER) of formalin-fixed, paraffin-embedded (FFPE) tissues. HIER is the process of heating the slide-mounted specimen material in an antigen retrieval solution, followed by a cooling-off period. Retrieval solutions with paraffin emulsifiers (surfactants) followed by a rinsing reagent can deparaffinize and retrieve tissues, thus eliminating the deparaffinization step with xylenes and alcohols. The solution is provided ready-to-use and is intended to be applied as defined by the staining protocols on the NeoPATH Pro Automated Slide Stainer.

Known Applications:

Immunohistochemistry (Formalin-fixed paraffin-embedded tissues)

Materials and Methods:

Reagents Provided:

Kit Catalog No.	Component Description	Quantity x Volume
NPRR10106T50	NeoPATH Pro Antigen Retrieval 1 (AR1)	1 x 30 mL

* Refer to the Biocare Medical website located at <http://biocare.net> for information regarding catalog numbers and ordering.

Supplied As: Buffered Tris-EDTA solution, pH 9.0. See Safety Data Sheet for additional details.

Reconstitution, Dilution and Mixing:

The NeoPATH Pro Antigen Retrieval 1 (AR1) is optimized for use with Biocare IHC antibodies and ancillary reagents. No reconstitution, mixing, dilution or titration is required.

Storage and Stability:

Store at 2°C to 8°C. The product is stable to the expiration date printed on the vial label when stored under these conditions. Do not use after expiration date. Storage under any condition other than those specified must be verified. The kit reagent(s) are ready-to-use and should not be diluted. The stability of user diluted reagents has not been established by Biocare.

Staining Protocol Recommendations:

Below are programming and protocol recommendations to assist the user when staining manually and/or using one of Biocare's Automated Staining Platforms for research applications. The user is responsible for further optimizations of the protocol.

The NeoPATH Pro Antigen Retrieval 1 (AR1) reagent is optimized for use with Biocare antibodies and ancillary reagents. Refer to the primary antibody information for use for recommended protocols and conditions for use. Incubation times and temperatures will vary depending on the specific antibody protocol followed.

NeoPATH Pro Antigen Retrieval 1 (AR1) is provided in vials ready for use on the NeoPATH Pro Automated Slide Stainer. Uncap the vial and place in the NeoPATH Pro reagent tray. The NeoPATH Pro will apply reagent as required in the selected protocol.

Limitations:

This product is provided for Research Use Only (RUO) and is not for use in diagnostic procedures. Suitability for specific applications may vary and it is the responsibility of the end user to determine the appropriate application for its use.

Precautions:

1. Handle materials of human or animal origin as potentially biohazardous and dispose of such materials with proper precautions. In the event of exposure, follow the health directives of the responsible authorities where used.^{1,2}
2. Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come into contact with sensitive areas, wash with copious amounts of water.³
3. Microbial contamination of reagents may result in an increase in nonspecific staining.
4. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
5. Do not use reagent after the expiration date printed on the vial.
6. To prevent evaporation and ensure maximum test capacity, promptly cap and remove reagents from automated instruments after each run. Leaving reagents exposed can reduce their effectiveness and the number of tests they can provide. Always store reagents as directed to maintain their integrity.
7. The reagent is optimized for use with Biocare antibodies and ancillary reagents. Refer to the primary antibody and other ancillary reagent instructions for use for recommended protocols and conditions for use.
8. Dispose of all used reagents and any other contaminated disposable materials following procedures for infectious or potentially infectious waste. It is the responsibility of each laboratory to handle solid and liquid waste according to their nature and degree of hazardousness and to treat and dispose of it (or have them treated and disposed of) in accordance with any applicable regulations.
9. Follow local disposal regulations for your location along with recommendations in the Safety Data Sheet to determine the safe disposal of this product.
10. The SDS is available upon request and is located at <http://biocare.net>.
11. Report any serious incidents related to this device by contacting the local Biocare representative and the applicable competent authority of the Member State or country where the user is located.

Technical Support:

Contact Biocare's Technical Support at 1-800-542-2002 for questions regarding this product.

References:

1. Occupational Safety and Health Standards: Occupational exposure to hazardous chemicals in laboratories. (29 CFR Part 1910.1450). Fed. Register.
2. Directive 2000/54/EC of the European Parliament and Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work.
3. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition CLSI document M29-A4 Wayne, PA 2014.



60 Berry Drive
Pacheco, CA 94553
USA

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Tel: 800-799-9499 | www.biocare.net | Fax: 925-603-8080