

ONCORE Pro RISH™ Retrieval Kit

Retrieval Kit
902-OPRR6082K-111422

BIOCARE
M E D I C A L

Catalog Number: OPRR6082K

Description: 60 tests

Intended Use:

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

Summary & Explanation:

ISH Retrieval (AR3) is a heat retrieval solution for use in pretreatment of formalin-fixed paraffin-embedded tissue, as part of an ISH staining procedure on the ONCORE Pro Automated Slide Stainer. Pretreatment of FFPE tissues with ISH Retrieval can significantly increase staining intensity.

Probe Enhancer (RNA) is an ancillary hybridization reagent that promotes spreading and reduces drying of mRNA targeting ISH probes during hybridization reactions. Effective hybridization may facilitate enhanced staining and reduce artifacts.

The solutions are provided ready-to-use and are intended to be applied as defined by the staining protocols on the ONCORE Pro and ONCORE Pro X Automated Slide Stainers.

Known Applications:

in situ hybridization (FFPE tissues)

Supplied As:

ONCORE Pro RISH™ Retrieval Kit is comprised of 2 solutions in pre-filled vials. One kit is sufficient to perform 60 tests:

Probe Enhancer (RNA) (OPRR6024T60 x 1) 4.5 mL

ISH Retrieval (AR3) (OPRR6021T30 x 2) 14.5 mL

Reconstitution, Dilution and Mixing:

Products are provided ready-to-use. No reconstitution, mixing, dilution, or titration is required.

Materials and Reagents Required but Not Provided:

Microscope slides, positively charged

Desert Chamber* (Drying oven)

Positive and negative tissue controls

Xylene (Could be substituted with xylene substitute*)

Ethanol or reagent alcohol

ISH Dewax Kit (OPRI6020K) *

Decloaking Chamber* (Pressure cooker)

Deionized or distilled water

Wash buffer*(TBS)

ISHzyme Kit (OPRI6039K) *

Peroxidase block*

Negative control reagents*

ISH Detection Reagents*

Chromogens*

Hematoxylin*

Bluing reagent*

Mounting medium*

ONCORE Pro Automated Slide Stainer*

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

Storage and Stability:

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

Instructions for Use:

The following programming and protocol recommendations are to assist the user when staining on Biocare's ONCORE Pro Automated Slide Staining System for research applications. The user is responsible for further optimizations of the protocol. The ONCORE Pro will apply reagent as required in the selected protocol. Refer to the instrument manual for detailed instructions on instrument operation and additional protocol options. Uncap the probe vials and place in the ONCORE Pro reagent tray.

Heat Probe Enhancer (RNA) prior to each use by placing in a 60°C oven for 5-7 minutes to reduce solution viscosity. Be sure the reagent vial is tightly closed before placing in the oven. Invert the vial several times and shake the reagent down after preheating. Delayed start of the staining process is not recommended for ISH procedures. Uncap the vial and place in the ONCORE Pro reagent tray. The ONCORE Pro will apply reagent as required in the selected protocol. Refer to the ONCORE Pro Automated Slide Staining System User Manual for detailed instructions on instrument operation and additional protocol options.

ISH Retrieval (AR3) is provided in vials ready for use on the ONCORE Pro Automated Slide Stainer. Uncap the vial and place in the ONCORE Pro reagent tray. The ONCORE Pro will apply reagent as required in the selected protocol. Refer to the ONCORE Pro Automated Slide Staining System User Manual for detailed instructions on instrument operation and additional protocol options.

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 applications for its use.

Precautions:

1. Kit reagent(s) contain less than 0.1% sodium azide. Concentrations less than 0.1% are not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA Hazard communication and EC Directive 91/155/EC. Sodium azide (NaN₃) used as a preservative is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. (Center for Disease Control, 1976, National Institute of Occupational Safety and Health, 1976)³
2. Handle materials of human or animal origin as potentially biohazardous and dispose such materials with proper precautions. In the event of exposure, follow the health directives of the responsible authorities where used.^{4,5}
3. 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.⁶
4. Microbial contamination of reagents may result in an increase in nonspecific staining.
5. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
6. Do not use reagent after the expiration date printed on the vial.



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Rev. 062117

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Precautions Cont'd:

7. Follow local and/or state authority requirements for method of disposal.
8. The SDS is available upon request and is located at <http://biocare.net>.
9. 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. Wilkinson DG. In Situ Hybridization: A Practical Approach (Practical Approach Series). 2nd Ed. Oxford: Oxford University Press, 1999.
2. Nuovo GJ. In Situ Molecular Pathology and Co-Expression Analyses. 1st Ed. San Diego: Academic Press, 2013.
3. Center for Disease Control Manual. Guide: Safety Management, NO. CDC-22, Atlanta, GA. April 30, 1976 "Decontamination of Laboratory Sink Drains to Remove Azide Salts.
4. Occupational Safety and Health Standards: Occupational exposure to hazardous chemicals in laboratories. (29 CFR Part 1910.1450). Fed. Register.
5. 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.
6. 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.



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