

Hot Rinse, 25X

Ancillary Reagent
902-1001-112922

BIOCARE
M E D I C A L

Available Product Formats	
Catalog Number	Volume
BRR1001M	500 mL

Intended Use:

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

Summary & Explanation:

Hot Rinse is sodium azide and thimerosal free, non-toxic, non-flammable and odorless. After deparaffinizing tissues in Reveal, Universal or Borg Decloaker, a subsequent hot rinse ensures complete deparaffinization. It is specially designed for use with Biocare's Decloaking Chamber and is also compatible with other commercial heat retrieval deparaffinization solutions.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Materials and Methods:

Reagents Provided:

Kit Catalog No.	Component Description	Quantity x Volume
BRR1001M	Hot Rinse, 25X	1 x 500 mL

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

Reconstitution, Mixing, Dilution, Titration:

The Hot Rinse, 25X is optimized for use with Biocare antibodies and ancillary reagents. Mix 1-part concentrated Hot Rinse to 24-parts deionized water (1:25 dilution).

Supplied As:

Tween solution and 1.5% ProClin 950. See Safety Data Sheet for additional details.

Storage and Stability:

Store at room temperature. 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. Diluted reagents should be used promptly; store any remaining reagent at room temperature.

Staining Protocol Recommendations:

The 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. When using an automated staining instrument, consult the specific instrument operator manual and instructions for use for operating parameters.

1. Dry tissue sections for 1 hour at 37°C and then dry slides for 10-30 minutes at 60°C.
2. Dilute concentrated Hot Rinse at a ratio of 1:25 (1 mL Hot Rinse to 24 mL of deionized water).
3. Fill a Coplin Jar, Tissue-Tek™ staining dish or metal slide canister with 1X Hot Rinse.
4. Fill a second container with 1X of Biocare's Decloaker HIER solution.
5. Place both solutions into the Decloaking Chamber.
6. Place the slides into the slide container with the 1X HIER solution.

Staining Protocol Recommendations Cont'd:

7. Retrieve sections under pressure using Biocare's Decloaking Chamber. Follow the recommendations on the antibody data sheet and Table 1 (below).
8. Check solution for appropriate color change (refer to appropriate HIER solution data sheet).
9. Transfer slides to the slide container with 1X Hot Rinse and agitate 20 dips.
10. Gently rinse by gradually adding DI water to the solution, then remove slides and rinse with DI water.

Technical Note:

1. Hot Rinse may be used with various heat retrieval methods including a microwave oven, pressure cooker, water bath or steamer.
2. If using Biocare's Desert Chamber Pro (a programmable turbo-action drying oven), dry sections at 25°C overnight or at 37°C for 30-60 minutes then dry slides at 60°C for 30 minutes.
3. Use positive charged slides (use Biocare's Kling-On HIER Slides) and cut tissues at 4-5 microns. Do not use any adhesives in the water bath. Poor fixation and processing of tissues will cause tissue sections to fall off the slides, especially fatty tissues such as breast. Tissues should be fixed a minimum of 6-12 hours.

Table 1. Biocare Decloaking Chamber Protocol Equivalence

Protocol	DC2002/DC2008	DC NxGen
125°C/30 sec.	125°C/30 sec.	110°C/10 to 15 min.
95°C/40 min.	95°C/40 min.	95°C/40 min.
90°C/15 min.	90°C/15 min.	90°C/15 min.
80°C/60 min.	80°C/60 min.	80°C/60 min.
60°C/15 hrs.	60°C/15 hrs.	60°C/15 hrs.

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. Kit reagents contains 1.5% ProClin 950. Wear gloves and protective clothing and take reasonable precautions when handling as ProClin is classified as an irritant and may cause skin contact sensitization. Avoid contact with eyes, skin, and mucous membranes.
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.^{1,2}
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.³
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.
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. Follow local and/or state authority requirements for method of disposal.
9. The SDS is available upon request and is located at <http://biocare.net>.
10. 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.



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Rev. 080822

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This Hot Rinse, 25X contains components classified as indicated in the table below in accordance with the Regulation (EC) No. 1272/2008

Hazard	Code	Hazard Statement
	H317	May cause an allergic skin reaction.

Technical Support:

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

References:

- Occupational Safety and Health Standards: Occupational exposure to hazardous chemicals in laboratories. (29 CFR Part 1910.1450). Fed. Register.
- 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.
- 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.