

# ONCORE Pro Hematoxylin

Counterstain  
902-6087-040423

Available Product Formats	
Catalog Number	Volume
OPRR6087T60	60 Tests

## Intended Use:

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

## Background Information:

ONCORE Pro Hematoxylin is a modified Lillie-Mayer Hematoxylin staining reagent intended for visualization of cellular nuclei in tissue sections and cellular preparations.

## Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues).

## Materials and Methods:

### Reagents Provided:

Kit Catalog No.	Component Description	Quantity x Volume
OPRR6087T60	ONCORE Pro Hematoxylin	1 x 8.5 mL

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

## Reconstitution, Mixing, Dilution, Titration:

ONCORE Pro Hematoxylin is provided ready-to-use. No reconstitution, dilution or mixing is required.

## Supplied As:

Hematoxylin Solution. See Safety Data Sheet for additional details.

## Storage and Stability:

Store at room temperature away from light. 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 reagent has not been established by Biocare.

## Staining Protocol Recommendations

The following programming and protocol recommendations are to assist the user when staining using Biocare's ONCORE Pro X Automated Staining Platform for research applications. The user is responsible for further optimizations of the protocol.

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

## Technical Notes:

1. Filter product with a 0.4-micron filter if particulate is seen.
2. Biocare Medical uses only stains that are certified by the Biological Stain Commission. ONCORE Pro Hematoxylin is specially formulated to eliminate the necessity for differentiation of the section.

NOTE: The biggest objection to Mayer's hematoxylin as used in the past, has been that stained slides often fade after 1-3 years. This problem can be eliminated, however, when slides are washed after hematoxylin in running water for a minimum of 3-4 minutes.

NOTE: Biocare's research studies show pH of tap and DI water for rinsing slides can influence staining. pH can change from acidic to basic seasonally in different regions of the country. It has been further reported that there have been changes in tap water from the morning to the afternoon in some states. Long rinsing times after bluing may differentiate out Hematoxylin. We have modified our rinse time to 3-4 minutes, instead of the previous 7-10 minutes.


## 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 contain less than 0.05% ProClin 300 and/or less than 1% 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.<sup>2,3</sup>
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.<sup>4</sup>
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>.

This ONCORE Pro Hematoxylin contains components classified as indicated in the table below in accordance with the Regulation (EC) No. 1272/2008.

Hazard	Code	Hazard Statement
	H315 H319	Causes skin irritation. Causes serious eye irritation.

## 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.



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Rev. 062117

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