

## Fast Red Chromogen Kit

Fast Red Chromogen and Buffer  
for the ONCORE Pro Automated Slide Stainer  
901-OPRI6042K-092320

**Catalog Number:** OPRI 6042K T60

**Description:** 60 tests

### Intended Use:

For In Vitro Diagnostic Use

Fast Red Chromogen Kit consists of two solutions for the staining of formalin-fixed, paraffin-embedded (FFPE) tissues, as part of an immunohistochemistry (IHC) procedure using an alkaline phosphatase (AP) detection system, on Biocare Medical's ONCORE Pro Automated Slide Stainer. The clinical interpretation of any staining or its absence should be complemented by morphological studies and proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

### Summary & Explanation:

Immunohistochemistry (IHC) permits the visual identification of specific protein antigens in tissues for diagnostic purposes. Following application of the primary antibody, the presence of a target antigen is visualized by the sequential application of an enzyme-antibody conjugate that binds the primary antibody, and a chromogen reagent, to produce a colored reaction product that is visible by light microscopy.

Fast Red is a widely used chromogen for immunohistochemical staining with alkaline phosphatase (AP) detection systems. In the presence of alkaline phosphatase enzyme, Fast Red produces a red precipitate.

Fast Red Chromogen Kit contains two solutions: Fast Red chromogen and the corresponding buffer. It is intended for use with an AP detection system in an IHC staining procedure on the ONCORE Pro Automated Slide Stainer.

### Known Applications:

Immunohistochemistry (FFPE tissues)

### Reagents Provided:

Fast Red Chromogen Kit is comprised of two solutions, Fast Red Chromogen and Fast Red Buffer, intended for use on the ONCORE Pro Automated Slide Stainer:

Fast Red Chromogen (OPRI6040 T60) 60 tests

Fast Red Buffer (OPRI6041 T60) 60 tests

### Reconstitution, Dilution and Mixing:

Fast Red Chromogen and Fast Red Buffer do not require mixing before use.

### Materials and Reagents Required but Not Provided:

Reagents and materials, such as primary antibodies, detection kits and ancillary reagents are not provided. Refer to the ONCORE Pro Automated Staining System User Manual for a complete list of materials and reagents required.

### Storage and Stability:

Store at 2°C to 8°C. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use after expiration date. Avoid exposure to direct sunlight.

### Instructions for Use:

Load both Fast Red Chromogen and Fast Red Buffer reagent vials in the reagent tray of the ONCORE Pro Automated Slide Stainer before beginning a staining run. Fast Red Chromogen and Fast Red Buffer will be mixed on each individual slide at the appropriate time, according to the programmed staining protocol.

Refer to the appropriate antibody data sheet for the recommended staining protocol. Refer to the ONCORE Pro Automated Staining System User Manual for detailed instructions on instrument operation and additional protocol options.

### Limitations:

These reagents have been optimized for use with ONCORE Pro antibodies and ancillary reagents. The protocols for a specific application can vary. These include, but are not limited to fixation, heat-retrieval method, incubation times, and tissue section thickness. Third party primary antibodies may be used on the ONCORE Pro; however, appropriate antibody concentration may depend upon multiple factors and must be empirically determined by the user. Ultimately, it is the responsibility of the investigator to determine optimal conditions.

### Quality Control:

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2) CLSI Wayne, PA USA ([www.clsi.org](http://www.clsi.org)). 2011

### Precautions:

1. Refer to reagent Safety Data Sheet for precautions.
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 in 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.



**CORROSIVE**



**IRRITANT**

### Troubleshooting:

Follow the antibody specific protocol recommendations according to data sheet provided. If atypical results occur, contact Biocare's Technical Support at 1-800-542-2002.

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### References:

1. Taylor CR, Cote RJ. Immunomicroscopy: A Diagnostic Tool for the Surgical Pathologist. 3rd Ed. Philadelphia: Saunders Elsevier, 2006.
2. Dabbs DJ. Diagnostic Immunohistochemistry: Theranostic and Genomic Applications. 3rd Ed. Philadelphia: Saunders Elsevier, 2010.
3. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition (M29-A4) Wayne, PA 2014.