

## DATA SHEET

### PERMANENT MOUNTING MEDIUM

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#### **Intended Use**

BioGenex Permanent Mounting Medium(HK219-15K) is intended for use with alcohol and xylene insoluble chromogens, such as DAB (for peroxidase systems) and BCIP/NBT (for alkaline phosphatase systems). Permanent Mounting Medium as been optimized for use with all BioGenex detection systems for Immunohistochemistry (IHC), In Situ Hybridization (ISH) and special stains.

#### **Summary and Explanation**

Mounting of all stained biological specimens is an essential step before their microscopic evaluation. Mounting also enables the slides to be archived for long periods of time. Specifically designed to meet the mounting needs of the histology laboratory, BioGenex provides Permanent Mounting Medium for the permanent mounting and preservation of stained histological sections on glass slides.

#### **Reagents Required but Not Supplied**

Reagent required for the mounting step is provided. See antibody and detection kit datasheets for a complete set of reagents required for IHC or ISH procedures.

#### **Storage and Handling**

Store all reagents at room temperature only. Do not use the reagents beyond expiration dates as indicated on the reagent labels.

#### **Precautions**

Contains toluene. Flammable liquid (flash point 7°C). Aspiration hazard. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. May cause central nervous system depression. May cause liver and kidney damage. This substance has caused adverse reproductive and fetal effects in animals.

#### **Mounting Procedure**

After staining and counterstaining the tissue, rinse the slide thoroughly in a bath of deionized water. Dehydrate the tissue section by placing the slide in 70% ethanol for 3 min; followed by 95% ethanol for 3 min; 100% ethanol for 5 min; xylene for 5 min; and fresh xylene for 5 min. Using a xylene-moist cotton swab, place a drop of Permanent Mounting Medium on the xylene-wet section and quickly cover with a slip. Allow drying at room temperature.

#### **Quality Control**

Refer to the appropriate detection system package inserts for guidance on general quality control procedures.



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#### **Troubleshooting**

Refer to the troubleshooting section in the package inserts of BioGenex Super Sensitive™ Detection Systems (or other equivalent detection systems) for remedial actions on detection system related issues, or contact BioGenex Technical Support at 1 (800) 421-4149 to report unusual staining.

#### **Expected Results**

Staining with IHC, ISH and special stains should result in deposition of colored chromogen pigment at the site of specific interaction with minimal to no non-specific background.

#### **Performance Characteristics**

BioGenex has conducted studies to evaluate the performance of Permanent Mounting Medium using several specimens stained by IHC, ISH and special stains. Permanent Mounting Medium has shown reproducible and consistent results. The product has been determined to be stable for the period specified on the label either by standard real time or accelerated testing methods. BioGenex ensures product quality through 100% quality control for all products released and through surveillance programs.

*For laboratory use only.*