

DATA SHEET

X-DeWax™

For Use on the Xmatrx® Staining System

Doc. No. 932-HX016, Rev. No. E
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Reagent Supplied

HX016-XEK Concentrated X-DeWax™ Solution; 1Gallon per bottle
HX016-XAK Concentrated X-DeWax™ Solution; 1000 mL per bottle

Storage and Handling

Store at room temperature (20° to 26°C) out of direct sunlight. This reagent is expiration dated. When properly stored, the reagent is stable to the date indicated on the label.

Intended Use

The working solution of X-DeWax™ Solution is intended to dewax formalin-fixed, paraffin-embedded tissue sections used for immunohistochemistry reactions carried out on the BioGenex Xmatrx® Staining System. It is a General Purpose Laboratory Reagent.

Principles of the Procedure

To enable microtome slicing of formalin-fixed tissue, most specimens are embedded in paraffin. Following placement on microscope slides, the paraffin must be removed to allow the penetration of aqueous solutions. Paraffin removal typically involves processing the slides through xylene, followed by alcohol and aqueous solutions. Each step required approximately 30 minutes of manual processing time. The BioGenex X-DeWax™ Solution, for use on the Xmatrx® Staining System, provides a two-step application of a single reagent. The complete dewaxing process now takes no more than 10 minutes to perform and provides both paraffin removal and rehydration of the tissue.

Standard Protocol

Please read the Operator's Manual for the Xmatrx® Staining System for information on using the instrument. (NOTE: This product is not recommended for use on other vendors' instruments as it may degrade some types of plastic.)

Recommended Diluent

Concentrated X-DeWax™ solution must be reconstituted with histological grade alcohol. For example, Fisher Reagent Grade Alcohol, cat no. A962, or Sigma Reagent Alcohol, cat no. R8382, is specially denatured for histological use and also specially filtered for use in tissue processors. Acceptable forms of alcohol include 95% ethanol/5% isopropanol or 90% ethanol/5% isopropanol/5% methanol. Any alcohol used should be free of acetate.

Method of Reconstitution

1. Shake the bottle vigorously to completely mix the components of the concentrate (the solution may separate into phases over time)
2. Dilute the concentrated X-DeWax™ solution with the recommended grade of ethanol. Add 100ml of histological grade alcohol for each 100ml of concentrated X-DeWax™ solution.
3. Cap tightly and shake the bottle for several seconds to completely mix the solutions.
4. Store with cap tightly secured. The diluted solution should be stored at room temperature and may be used for upto one month.

NOTES FOR DILUTED X-DEWAX™ SOLUTION

1. **WARNING:** Flammable liquid. May cause eye and skin irritation. Harmful if inhaled. May cause gastrointestinal irritation, central nervous system depression, and kidney and liver damage. May cause respiratory tract irritation. Consult the Material Safety Data Sheet for more health hazard information.
2. To avoid exposure of the solution to air, it is recommended that the cap be tightly secured.
3. If the diluted solution separates into phases, add histologic grade alcohol in 5% volume increments with shaking between additions until a homogeneous solution is attained.

X-DeWax™ and Xmatrx® are trademarks of BioGenex Laboratories, Inc. The X-DeWax™ Solution is covered by the following patents and their foreign counterparts: U.S. Patent Nos. 6,451,551 and 6,632,598

For Laboratory Use Only