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DATA SHEET

EZ-DeWax™ Solution, Concentrated

Doc. No.932-HK584, Rev. No.H
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REAGENT SUPPLIED

HK584-5K :1 bottle (500 ml)-Concentrated EZ-DeWax™ Solution (U.S. Patent Nos. 6,451,551 and 6,632,598).

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 concentrated DeWax™ Solution is a General Purpose Reagent suitable for diagnostic histopathology, laboratory and research use.

INTRODUCTION

To enable microtome slicing of 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 has, to date, involved processing the slides through xylene, followed by alcohol and aqueous solutions. This multistep procedure required approximately 30 minutes of manual processing time. The BioGenex EZ-DeWax™ Solution, for use with manual procedures or on the BioGenex Automated Staining Systems, provides a two step application of a single reagent. The complete dewaxing process now takes less than 10 minutes and provides both paraffin removal and rehydration of the tissue

RECOMMENDED DILUENT

Concentrated EZ-DeWax™ Solution must be reconstituted with histologic grade alcohol. For example, Fisher Reagent Grade Alcohol, Catalog No.A962, or Sigma Reagent Alcohol, Catalog No.R8382, is specially denatured for histologic 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 EZ-DeWax™ Solution with the recommended grade of ethanol. Add 100ml of histological grade alcohol for each 100 ml of concentrated EZ-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 up to one month.

METHOD OF USE: BIOGENEX AUTOMATED STAINING SYSTEMS

Refer to your BioGenex Automated Staining Systems Operating Manual for the use of this product in an automated procedure. (NOTE: not recommended for use on other vendors' instruments as it may degrade some types of plastic.)

METHOD OF USE: MANUAL STAINING PROCEDURES

1. Pour 125 ml of EZ-DeWax™Solution into each of two slide baths (Cat. No. MW001-HB) or 25 ml into each of two coplin jars.
2. Immerse slides in the first bath for five minutes. Agitate the slides occasionally.
3. Transfer slides to the second bath. Immerse for five minutes. Agitate the slides occasionally.
4. Rinse slides well with DI water.
5. Rinse slides well with Super Sensitive Wash Buffer (HK583-5K).
6. Proceed with staining or antigen retrieval as usual.
7. Use freshly prepared solution for each batch of slides. EZ-DeWax™Solution is intended for single use.

NOTES FOR DILUTED EZ-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 ethanol in 5% volume increments with shaking between additions until a homogeneous solution is attained.

General-Purpose Reagent, suitable for diagnostic histopathology, laboratory, and research use.