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DATA SHEET

H & E RETRIEVAL SOLUTION

Ready to Use Format

Doc. No. 932-HK168, Rev. No. C
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Description

The Antigen Retrieval™ technique (U.S. Patent 5,244,787) is a novel method for the rescue of antigens from formalin-fixed tissue. it consists of heating tissue sections in a microwave oven in the presence of antigen Retrieval solutions.

H&E Retrieval solution is specially formulated for use with a modification of the microwave pretreatment method. Is use will help recover nuclear staining in bunt tissues or overfixed formalin-paraffin sections.

Intended Use

This product is intended for research use only.

This product may be used to restore nuclear detail for improved hematoxylin staining in formalin-foxed paraffin-embedded tissue.

H &E Retrieval Solution is recommended for use with tissues fixed or overfixed *with formalin only*. Other fixatives or fixation procedures may not produce comparable results. Interpretation of the test result is solely the responsibility of the user.

Storage

Store at 2-8ºC

Handling and Disposal

As it contains no hazardous chemicals, H&E Retrieval solution can be disposed of by using down the drain.

Reagent Supplies

HK168-5K : One Bottle (250 ml) of ready-to-use H&E Retrieval Solution.

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Preparation

1. Prepare sections according to standard procedures. NO special preparation is required if tissues are not boiled

2. Deparaffinize slides in xylene and graded alcohol according to standard procedures.

3. Place 50 ml of working H&E Retrieval solution in a Coplin jar. For a larger number of slides, position slides in a Tissue-Tek® Slide Staining Holder and place 250 ml of working H&E Solution in a Tissue-Tek® White Staining Dish (Baxter, Can. No. MW001-SU). Do not place the slide holder in the staining dish.

4. Place the container with H&E Retrieval Solution in a microwave oven. Turn oven on high power until solution comes to a boil.

5. Remove container from oven. Immediately place the slides in the Coplin jar, or the slide holder into the staining dish. Let sit a room temperature for 15 minutes.

6. Rinse slides in several changes of distilled water.

7. Stain slides according to standard procedures for H&E staining.

References

Shi, S.R., etal. Antigen Retrieval in formalin-fixed, paraffin-embedded tissues: an enhancement method for immunohistochemical staining based on microwave oven heating of tissue sections. J Histochem Cytochem 39:741, 1991.

Wright, K.R. Research Antigen Retrieval Solution (Letter to the Editor). J Histotech 17:81, 1994