Genemed Biotechnologies, Inc.

Tris EDTA Buffer, pH 9 (20X)

Cat No.	Quantity
10-0037	100 mL Concentrate

Intended Use

For In Vitro Diagnostic Use.

This product is intended to be used for the heat induced epitope (or antigen) retrieval (HIER) of formalin-fixed, paraffin-embedded (FFPE) tissues prior to immunohistochemical (IHC) staining.

Reagents Supplied

One bottle of Tris EDTA Buffer, pH 9 containing 200 mM Tris and 20 mM EDTA.

Summary And Explanation

Formalin fixation forms protein cross-links that mask the antigenic sites in tissue specimens, thereby giving weak or false negative staining for IHC detection of certain proteins. Tris EDTA Buffer, pH 9 is designed to break the protein cross-links, thus unmasking the antigens and epitopes in FFPE tissue sections and enhancing staining intensity of many antibodies.

Procedure

For use after de-parafinnizing and rehydrating slides. If necessary, block endogenous peroxidase activity before HIER step.

1. Make 1X Tris EDTA Buffer using 1 part 20X Tris EDTA Buffer and 19 parts Reagent Water.
2. Wash slides in 3 changes of 1X PBS or reagent water to remove alcohol / peroxidase block.
3. Place slides in appropriate sized slide container and fill with 1X Tris EDTA Buffer. Make sure section is immersed.
4. Incubate for 20-40 minutes at temperature ≥ 95°C.
   Note: Optimal incubation time in variable heating source should be determined by user.
5. Turn off the heating instrument and allow slides to cool to room temperature for at least 20 minutes.
6. Wash slides in 3 changes of 1X PBS to remove Tris EDTA Buffer.
7. Resume standard IHC staining procedure.

Storage

Store at 2-8°C. Do not freeze.

All performance claims are void after the expiration date.

Materials Required But Not Supplied

FFPE tissue section
Reagent Water
1X PBS
Heating Instrument

Precautions

For professional users only.

Excessive epitope retrieval of FFPE tissues could result in damage of tissue morphology or tissue sections becoming detached from the slide.

Inadequate epitope retrieval of FFPE tissue could result in weaker staining.

Symbols

REF	LOT	IVD		
Catalog No.	Batch No.	In Vitro Diagnostic Use	Temperature Range	Use By

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