EDTA BUFFER (10X) pH 8.0

INTENDED USE:
For In Vitro Diagnostic Use

Catalog No	Volume
PL-125-EDT	125 ml (10X)
PL-500-EDT	500 ml (10X)
PL-1000-EDT	1000 ml (10X)

DESCRIPTION
Formaldehyde fixation impairs or totally destroys the immunoreactivity of many antigens and epitopes. The negative effect of formaldehyde fixation can be reversed successfully with enzymatic digestion for some markers while not for others. Non-enzymatic epitope unmasking techniques have been recently introduced to improve the immunoreactivity of many antigens in formaldehyde fixed tissues. Heat-Induced Epitope Retrieval (HIER) in EDTA buffer has been found to improve the reactivity of many antibodies in formal-fixed tissues.

WARNINGS & PRECAUTIONS
Refer to MSDS.

STORAGE & SHELF LIFE
Store at room temperature. Each component is stable for minimum 24 months. This buffer contains no preservative. Store product at 2- 8°C for storage longer than 3 months.

MICROBIOLOGICAL STATE
Product(s) not sterile.

SPECIMEN & REAGENT PREPARATION
Refer to Procedure.

PROCEDURE
EDTA buffer, pH 8.0. This is a 10X stock solution and should be diluted 10-fold with distilled water before use. The final solution should be pH 8.0.

1. Place five-micron thick tissue sections on glass slides coated with poly L-lysine or APTES.
2. Deparaffinize and re-hydrate sections as usual.
3. Place slides in a Coplin jar containing 1mM EDTA buffer, pH 8.0; cover with a vented plastic wrap and place the jar in a steamer (Black & Decker) for 20 minutes.
4. Take out the jar and let the sections cool in the jar for 20 minutes at room temperature. ***THIS STEP IS VERY CRITICAL AND SHOULD NOT BE AVOIDED.***
5. Wash sections in buffer for 2x5 minutes.
6. Block endogenous peroxidase as usual. INSTRUCTIONS FOR USE AP-9004-XXX Rev 102006D Page 2 of 2
7. Wash sections in buffer for 2x5 minutes.
8. Block non-specific sites with normal serum as usual.
9. Place optimally diluted primary antibody on the sections (incubation time and temperature for a given set of experimental conditions should be determined by the investigator).
10. Wash sections in buffer for 2x5 minutes.
11. Rest of the procedure is same as routinely performed in your laboratory.

Suggested working dilution:
Immunohistology: 1:10 with distilled water.

Suggested test size:
It is recommended that at least 100 ml of Edta buffer should be used for 12 slides.

Troubleshooting
Please contact PatoLab Technical Support by e-mail (patolab@patolab.com.tr).