Leinco Technologies, Inc.
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Antigen Retrieval Buffer (50x Citrate, pH 6.0)

Substrate and Assay Reagents

Product Information
Product No.: A457

Product Description

Background:
Immunohistochemistry relies on fixation to preserve tissues, but these treatments can have an unintended consequence: they mask the very proteins researchers are interested in. This masking occurs because fixation create cross-links between proteins, obscuring the specific sites (antigens) that antibodies need to bind to.

Antigen retrieval buffer is designed for a technique called heat-induced epitope retrieval (HIER). HIER uses heat to break these protein cross-links, essentially "unmasking" the hidden antigen sites. This allows antibodies to bind more effectively, leading to clearer and more accurate results in immunohistochemistry experiments.

Directions for Use:
This 50X stock solution should be diluted 50-fold with distilled water before use. For example, to make 500mL of 1x working solution, dilute 10mL of 50x buffer with 490mL of distilled water.

Storage and Stability
This buffer solution should be stored ambient.

Country of Origin
USA

Products are for research use only. Not for use in diagnostic or therapeutic procedures.
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