

Catalog
TBS5078-100
TBS5078-500

Unit Size
100 ml
500 ml

DESCRIPTION

Tribio Antigen Retrieval Tris-EDTA Solution (10×, pH 9.0) is a concentrated buffer formulation used for heat-induced epitope retrieval (HIER) in formalin-fixed, paraffin-embedded (FFPE) tissue sections. The alkaline Tris-EDTA buffer effectively breaks protein cross-links formed during formalin fixation, restoring antigenicity and improving antibody binding during immunohistochemistry (IHC) and immunofluorescence (IF) assays. The solution is supplied as a 10× stock and should be diluted to working concentration prior to use.

APPLICATION

- Heat-induced epitope retrieval (HIER) for FFPE tissue sections
- Immunohistochemistry (IHC) staining optimization
- Immunofluorescence (IF) antigen unmasking
- Suitable for a wide range of nuclear and membrane antigens requiring alkaline retrieval conditions
- Commonly used with microwave, pressure cooker, steamer, or water bath heating methods

PROPERTIES

Concentration:	10x
pH:	9.0
Form:	Liquid
Storage:	Store at 15-25°C

MAIN FEATURES

- High-pH (pH 9.0) buffer for strong antigen unmasking
- Used in heat-induced epitope retrieval (HIER)
- 10× concentrated for easy dilution and storage
- EDTA helps break formalin crosslinks and improves epitope exposure
- Enhances IHC staining intensity and consistency

DIRECTIONS FOR USE

- Dilute to 1× working solution with distilled water.
- Preheat or prepare retrieval device (microwave/pressure cooker/steamer).
- Immerse slides in buffer completely.
- Heat for antigen retrieval, then cool in buffer.
- Rinse with PBS/water before continuing IHC staining.

RELATIVE PRODUCTS

TBS2005	Protein Assay Kit
TBS5001	Protein Lysis Buffer
TBS5003-0	1xPBS
TBS5011-10	10 x PBST
TBS5008	TBS
TBS5008T	TBST
TBS5037	Urea Solution (8M)
TBS5038	Ammonium Sulfate Solution
TBS5040	0.5M EDTA Solution
TBS5041	MOPS Buffer
TBS5048	2% BSA in PBS
TBS5049-2	2% BSA in TBST
TBS5049-5	5% BSA in TBST
TBS5057	0.1% BSA ELISA Assay Buffer
TBS5077	Antigen retrieval Citrate Solution-pH6.0
TBS8024	MCF10 Cell Complete Medium
TBS8027	EMEM with L-Glutamine
TBS8030	McCoy's 5A Medium
TBS8031	30% BSA Solution in DPBS
TBS8047	MCF-7 Cell Complete Medium
TBS8056	LB Medium
TBS8057	SOB Medium
TBS8058	SOC Medium
TBS8059	2x YT Medium
TBS8060	Terrific Broth (TB) Medium
TBS8061	DMEM-high Glucose Medium

This product is for research use only.