



Citrate Buffer Pack

Catalog number: AR0024

Boster's Citrate Buffer Pack is an IHC antigen retrieval reagent used in heat induced epitope retrieval (HIER) for recovery of antigens masked by cross-linking during fixation.

This package insert must be read in its entirety before using this product. For research use only. Not for use in diagnostic procedures.

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Overview

Product Name	Citrate Buffer Pack
SKU/Catalog Number	AR0024
Pack Size	2000mL/pack
Form	Dry-blend powder, sufficient to make 2000mL of Citrate Buffer
Volume of Final Solution	2000 mL
pH	6
Buffer Contents	3g C ₆ H ₈ O ₇ .H ₂ , 20g C ₆ H ₅ Na ₃ O ₇ .2H ₂ O
Composition	Sodium citrate.H ₂ O
Storage	Store at room temperature. It is stable at room temperature for one year.
Application	IHC-P, HIER, PEFF tissues *Our Boster Guarantee covers the use of this product in the above tested applications.
Equivalent	Abcam (Product No. ab64214, ab64236)
Description	Boster's Citrate buffer solution is an IHC antigen retrieval reagent used in heat induced epitope retrieval (HIER) for recovery of antigens masked by cross-linking during fixation.
Cite This Product	Citrate Buffer Pack (Boster Biological Technology, Pleasanton CA, USA, Catalog # AR0024)

Chemical Information

CAS	Trisodium citrate	68-04-2
	Citric acid	77-92-9
Molecular Weight	Trisodium citrate	258.07
	Citric acid	192.123
Molecular Formula	Trisodium citrate	C ₆ H ₅ Na ₃ O ₇
	Citric acid	C ₆ H ₈ O ₇
Chemical Sources	Trisodium citrate	ChEMBL: ChEMBL1355
		ChemSpider: 5989
		PubChem: 6224
	Citric acid	ChEMBL: ChEMBL1261
		ChemSpider: 305
		PubChem: 311

Usage and Handling

See the IHC protocol for more specific usage instructions.

Certain antigens may utilize a combination of retrieval methods. Antigen retrieval may not be required for frozen cross section as cross links are formed during formalin fixation.

Advice: In order to achieve sufficient retrieval or avoid tissue destruction or over digestion, appropriate temperature, pH, buffer concentration, incubation times, and other conditions should be carefully selected for each particular antigen, antibody, or tissue type after preliminary experimentation by the researcher.

Note: All of Boster's products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use.