Product Datasheet

10X Citrate Buffer pH 6.0
NB900-62075

Unit Size: 500 ml

Store at room temperature.

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Publications: 9

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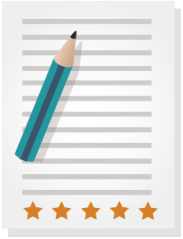

NB900-62075

10X Citrate Buffer pH 6.0

Product Information	
Unit Size	500 ml
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at room temperature.
Preservative	0.05% Sodium Azide
Buffer	Dilute 1 part buffer in 9 parts distilled water.

Product Description	
Description	10X citrate buffer at pH 6.0 is 1M.
Species	Human
Reactivity Notes	Use in Human reported in scientific literature (PMID:33422385)
Specificity/Sensitivity	10X Citrate Buffer pH 6.0 for Heat Induced Epitope Recovery

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	The antigen retrieval protocol is recommended for use in tissues that have been fixed in formalin only. Ensure that the fixed sections are adequately embedded in paraffin. Cut tissue sections to 4-5 microns. Preparation of Working Solutions 1. The 10X concentrated format should be diluted tenfold with distilled or deionized water. 2. Mix one part of concentrated Antigen Retrieval Solution with nine parts of deionized or distilled water. 3. Shake the bottle vigorously to completely mix the components of the concentrate (the solution may separate into phases over time). 4. Store with cap tightly secured. Protocol Recommendations 1. Deparaffinize and rehydrate tissue sections. 2. Place slides into 1X retrieval solution in a slide container (e.g. Coplin jar, Tissue-Tek, staining dish or metal slide canister). 3. Retrieve sections under pressure 4. After take-off reagent jar containing slides from pressure cooker, allow the slides to cool for 20 minutes to reach room temperature. 5. Wash slides in deionized water and then with wash buffer. Proceed with immunostaining recommendations in the antibody datasheet. 6. Gently rinse by gradually adding DI water to the solution, then remove slides and rinse with DI water.

Publications

Sameh M Farouk, Walaa A A Basha, Mahmoud A Emam, Elsayed Metwally Differential expression of epithelial and smooth muscle lineage-specific markers of metanephros in one-humped camel foetuses. Anatomia, histologia, embryologia 2023-10-10 [PMID: 37814965]

Jialal I, Huet B, Deveraj S Increased Adipocyte Hypertrophy in Patients with Nascent Metabolic Syndrome Journal of Clinical Medicine 2023-06-07 [PMID: 37445281] (Immunohistochemistry)

Hashem MA, Metwally E, Mahmoud YK et al. Reconstruction of a partial esophageal defect using tunica vaginalis and buccal mucosa autograft: an experimental study in mongrel dogs The Journal of veterinary medical science 2023-01-30 [PMID: 36709969] (IHC-P, Canine)

Adam K, Mor A Immunohistochemistry of Immune Cells and Cells Bound to in vivo Administered Antibodies in Liver, Lung, Pancreas, and Colon of B6/lpr Mice BIO-PROTOCOL 2022-07-20 [PMID: 35978576]

Shneider BL, Cortes-Santiago N, Schady DA, et al. Constitutive Activation of Mitogen-activated Protein Kinase Kinase (MEK1) in Ileal Enterocytes Leads to Dysplasia and a Predisposition to Cancer American journal of physiology. Gastrointestinal and liver physiology 2021-01-20 [PMID: 33470189]

Jialal I, Patel A, Devaraj S, Adams-Huet B Metabolites that Activate the Inflammasome in Nascent Metabolic Syndrome Journal of Diabetes and its Complications 2020-12-01 [PMID: 33422385] (IHC-P, Human)

Gouda Z, Khalifa M, Shalaby S, Hussein S. Mechanistic effect of human umbilical cord blood derived-mesenchymal stem cells on the submandibular salivary gland in ovariectomized rats. Biochem. Cell Biol. 2017-10-16 [PMID: 29035685] (IHC-P)

Arico E, Sestili P, Carpinelli G et al. Chemo-immunotherapy induces tumor regression in a mouse model of spontaneous mammary carcinogenesis. Oncotarget. 2016-09-13 [PMID: 27486759] (ICC/IF, Mouse)

Rozera C, Cappellini GA, D'Agostino G et al. Intratumoral injection of IFN-alpha dendritic cells after dacarbazine activates anti-tumor immunity: results from a phase I trial in advanced melanoma. J Transl Med. 2015-05-20 [PMID: 25933939] (IHC-P)

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