

P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - www.scytek.com

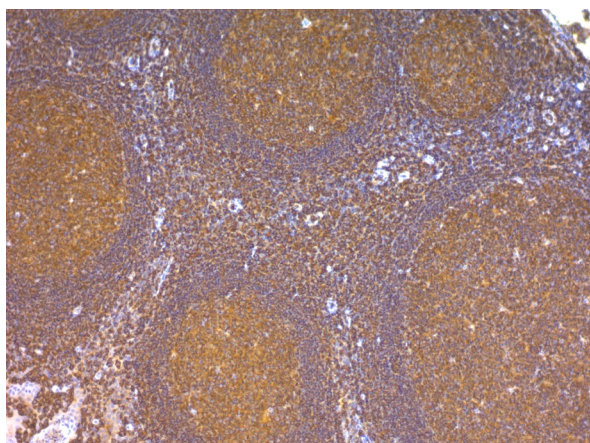
EDTA (10X) HIER Solution (pH 8.0)

Description: EDTA Buffer (10X) HIER Solution (pH 8.0) is a unique buffer designed to significantly enhance immunohistochemical staining with many commercially available primary antibodies. Diluted 1:10 with deionized or distilled water, this product is easy to use and highly effective.

Uses/Limitations: Not to be taken internally.
 For In-Vitro Diagnostic use only.
 Histological applications.
 Do not use if reagent becomes cloudy.
 Do not use past expiration date.
 Use caution when handling reagent.
 Non-Sterile.

Availability:	<u>Item #</u>	<u>Volume</u>
	ETA500	500ml
	ETA999	1000ml

Storage: Store at 18-25°C.
 Solution is stable for 24 months after date of manufacture.
 Do not re-use 1X working solution.



CD20 Staining on Human Tonsil using ScyTek's EDTA HIER Solution prior to an IHC staining protocol.

Procedure: (Autoclave/Pressure Cooker).

1. Rehydrate tissue to Deionized Water.
2. In a glass or plastic (Autoclavable) Coplin jar, add 5 ml of Citrate Plus and 45 ml of deionized water. **Note:** Always make up a fresh 1X working solution per protocol. Do not re-use.
4. Submerge slides in diluted EDTA HIER solution and loosely cap.
5. Add Distilled water to bottom of Autoclave or Pressure Cooker (about 1 inch deep in Pressure Cooker).
6. Place Coplin jar in Pressure Cooker or Autoclave.
7. Turn heat on and allow pressure to rise to 20-25 PSI.
8. Maintain pressure at 20-25 PSI for 5 minutes.
9. Turn off heat source and allow to cool.
10. When pressure has dropped to ambient, carefully remove lid or open door.
11. Using tongs, remove Coplin Jar and place on counter.
12. Once Coplin Jar cools to room temperature remove slides, rinse several times in buffer and proceed with staining as usual.

Storage: 18°C



25°C



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Procedure: (Vegetable Steamer)

1. Rehydrate tissue to Deionized Water.
2. In a plastic Coplin jar, add 5 ml of EDTA HIER Solution and 45 ml of deionized water. **Note:** Always make up a fresh 1X working solution per protocol. Do not re-use.
3. Loosely cap the coplin jar and place in a vegetable steamer for 15 minutes to heat solution (Prior to submersion of slides).
4. Carefully remove Coplin Jar and place on counter.
5. Once Coplin Jar cools to room temperature remove slides, rinse several times in buffer and proceed with staining as usual.

Product Specific Literature References:

1. Ulu, Mustafa Onur, Taner Tanriverdi, Buge Oz, Hüseyin Biceroglu, Cihan Isler, Berna Senel Eraslan, Cigdem Ozkara, Emin Ozyurt, and Mustafa Uzan. "The Expression of Astroglial Glutamate Transporters in Patients with Focal Cortical Dysplasia: An Immunohistochemical Study." *Acta Neurochirurgica* 152, no. 5 (May 1, 2010): 845–53. <https://doi.org/10.1007/s00701-009-0548-2>.

Storage: 18° C



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