# Citrate Buffer, pH 6 (20X)

| Cat No. | Quantity |
|---|---|
| 10-0020 | 100 mL Concentrate |

**Intended Use**

For In Vitro Diagnostic Use.

This product is intended to be used for the heat induced epitope (or antigen) retrieval (HIER) of formalin-fixed, paraffin-embedded (FFPE) tissues prior to immunohistochemical (IHC) staining.

**Reagents Supplied**

One bottle of Concentrate 200 mM Citrate Buffer, pH 6.

**Summary And Explanation**

Formalin fixation forms protein cross-links that mask the antigenic sites in tissue specimens, thereby giving weak or false negative staining for IHC detection of certain proteins. Citrate Buffer solution is designed to break the protein cross-links, thus unmasking the antigens and epitopes in FFPE tissue sections and enhancing staining intensity of many antibodies.

**Procedure**

For use after deparaffinizing and rehydrating slides. If necessary, block endogenous peroxidase activity before HIER step.

1. Make 1X Citrate Buffer using 1 part 20X Citrate Buffer and 19 parts Reagent Water.
2. Wash slides in 3 changes of 1X PBS or reagent water to remove alcohol/peroxidase block.
3. Place slides in appropriate sized slide container and fill with 1X Citrate Buffer. Make sure tissue section is immersed.
4. Incubate for 20-40 minutes at temperature ≥ 95°C
   **Note: Optimal incubation time in variable heating source should be determined by user**
5. Turn off the heating instrument and allow slides to cool to room temperature for at least 20 minutes.
6. Wash slides in 3 changes of 1X PBS to remove Citrate Buffer.
7. Resume standard IHC staining procedure.

**Storage**

Store at 2-8°C. Do not freeze.

All performance claims are void after the expiration date.

**Materials Required But Not Supplied**

FFPE tissue section
Reagent Water
1X PBS
Heating Instrument

**Precautions**

For professional users only.

Excessive epitope retrieval of FFPE tissues could result in damage of tissue morphology or tissue sections becoming detached from the slide.

Inadequate epitope retrieval of FFPE tissue could result in weaker staining.

**Symbols**

| REF | LOT | IVD | | |
|---|---|---|---|---|
| Catalog No. | Batch No. | In Vitro Diagnostic Use | Temperature Range | Use By |



Genemed Biotechnologies, Inc
458 Carlton Ct.
South San Francisco, CA 94080, U.S.A.
Tel: 650-952-0110
Fax: 650-952-1060

MDSS GmbH
Schiffgraben 41
30175 Hannover
Germany