

## PRODUCT DESCRIPTION

VisUCyte™ Antigen Retrieval Reagents are three different antigen retrieval systems that utilize heat-induced recovery of cell and tissue antigens.

## STABILITY & STORAGE

Store at 2-8 °C. Do not use past the expiration date indicated on the vial.

## TECHNICAL HINTS & LIMITATIONS

- Unlike Universal solution, Acidic and Basic solutions may dramatically enhance immunoreactivity but may also affect tissue morphology.
- The optimal antigen unmasking condition is a function of temperature (90-100 °C) and incubation time (up to 30 minutes) and should be established by each individual investigator.

## PROTOCOL

1. Make the working Retrieval Solution by mixing 1 part of 10X Retrieval Concentrate with 9 parts of deionized water.
2. Preheat Retrieval Solution to 92-95 °C by placing a polypropylene Coplin staining jar filled with Retrieval Solution into a vegetable steamer, water bath, or pressure cooker.

**Note:** Heating may cause cracking of glass staining dishes.

3. Insert slides with tissues into the preheated Retrieval Solution and incubate for 20 minutes.

**Note:** Cryostat sections are less resistant to damaging effects of Retrieval Solution than paraffin-embedded tissues. To avoid tissue damage, it may be necessary to decrease the incubation time to 2-5 minutes for cryostat sections.

4. Following incubation, place the jar containing the Retrieval Solution and slides on a lab bench and cool to room temperature (approximately 20 minutes).
5. Rinse slides with distilled water and then re-rinse with PBS.

**Note:** Since retrieval procedure may reduce adhesivity of tissues to histological slides, avoid vigorous rinsing.

6. Proceed with immunohistochemistry protocol as usual.