



American MasterTech
scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136



UNI-TRIEVE™
Low Temperature Retrieval Solution
For 60-75°C Antigen unmasking
No Boiling Required | pH Independent | Background-Free

Technical Data Sheet

PRODUCT# IMI00192E (Liter)

PRODUCT DESCRIPTION

UNI-TRIEVE™ is a universal mild temperature retrieval solution formulated for non-boiling and gentle retrieving of antigens in formalin fixed paraffin embedded sections. UNI-TRIEVE™ does not require boiling or high heat retrieving and it is pH independent and therefore it is universally applicable to retrieving of all antigens with a single retrieval solution. An incubation of 30 minute at 60°C to 75°C with UNI-TRIEVE™ solution is quite sufficient for retrieval of all antigens and staining for all primary antibodies with the exception of nuclear antigens. Nuclear antigens such as ER, PR, Ki-67, etc. require doubling the time of incubation. UNI-TRIEVE™ does not require boiling and therefore does not require the use of pressure cookers or microwaving.

UNI-TRIEVE™ is applicable to retrieving all antigens for the purpose immunohistochemical (IHC), immunofluorescence and in-situ staining. UNI-TRIEVE™ does not require a cooling period. UNI-TRIEVE™ is gentle to the tissue due to the absence of high heat and the use of high pH (EDTA buffer) and low pH (citrate buffer). UNI-TRIEVE™ does not cause tissue destruction and cause damage to tissue morphology. UNI-TRIEVE does not cause background.

UNI-TRIEVE™ is formulated to unmask antigens at 60°C-80°C using a water bath or a hot plate as the heat source. The use of UNI-TRIEVE™ Solution at low heat maintains tissue integrity and morphology. Some nuclear antigen such as ki-67, Estrogen Receptor (ER) and progesterone receptor (PR) require retrieval with UNI-TRIEVE™ solution at 80°C for 30 minutes or at 70°C for 1 hour.

INTENDED USE/APPLICATION

This product is intended for retrieving antigens at 60°C to 80°C by heating of tissue sections or cell smears using a water bath or a hot plate as the heat source.

PRODUCT FORMAT

Ready-To-Use Solution, **no** dilution or adjustments necessary.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

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INSTRUCTIONS

1. Pre-heat a water bath to 60°C.
2. Fill a coplin jar or any other slide holder vessel half way with Innovex UNI-TRIEVE Solution, immerse the deparaffinized slides in Uni-Trieve solution and place a lid on the jars/ Vessel. Place the coplin jar/vessel in a 60°C water bath and bring the Uni-Trieve solution to 60oC. Check the temperature of the Uni-Trieve with a thermometer. Hold the slides at 60°C Uni-Trieve solution for 30 minutes.
3. Some Nuclear antigens such as ER, PR, ki-67, require 1 hour at 70o C or 30 minutes at
4. 80°C.
5. Rinse slides with a quick water rinse (No cooling period is required with Innovex UNI-TRIEVE).
6. Remove slides from the coplin jar/ vessel.
7. Proceed with immunostaining procedure.

DISPOSAL of UNI-TRIEVE

Inactivate the Uni-Trieve with 20% bleach before discarding. For Example for each 80 ml of Uni-Trieve solution add 20 ml of bleach, let stand for 30 minutes to over-night and then discard in the sink.

FOR LABORATORY USE ONLY