

# Carezyme I: Trypsin Kit

Pretreatment Reagent  
901-TRP955-071717

**BIOCARE**  
M E D I C A L

**Catalog Number:** TRP955 KH

**Description:** 25 ml, Ready-to-use

## Intended Use:

For In Vitro Diagnostic Use

Carezyme I: Trypsin Kit is a concentrated solution of trypsin enzyme and accompanying buffer intended for use as a pretreatment step on formalin-fixed, paraffin-embedded (FFPE) tissues in immunohistochemistry (IHC) procedures. The clinical interpretation of any staining or its absence should be complemented by morphological studies and proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

## Summary & Explanation:

Trypsin is commonly used as a pretreatment step to enhance immunohistochemical staining of formalin-fixed paraffin-embedded tissues. This product is provided as a two component kit to enable preparation of different concentrations. The buffer is color-coded (rose) for easy identification. The buffer incorporates a color-coded pH indicator that enables the end-user to visually inspect the solution and see that the mixture or buffer is at the proper pH. If the mixed solution is purple, the pH is too high for optimum digestion. If the buffer or trypsin solution turns orange or yellow, the pH is too low for optimum digestion.

## Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

## Supplied As:

### 25ml Kit

1. Trypsin (concentrated liquid) (TRP955H) 25ml
2. Trypsin Buffer (TRB955H) 25ml

## Materials and Reagents (Needed But Not Provided):

Microscope slides, positively charged  
Desert Chamber\* (Drying oven)  
Positive and negative tissue controls  
Xylene (Could be substituted with xylene substitute\*)  
Ethanol or reagent alcohol  
Decloaking Chamber\* (Pressure cooker)  
Deionized or distilled water  
Wash buffer\*(TBS/PBS)  
Pretreatment reagents\*  
Avidin-Biotin Blocking Kit\*(Labeled streptavidin kits only)  
Peroxidase block\*  
Protein block\*  
Primary antibody\*  
Negative control reagents\*  
Detection kits\*  
Detection components\*  
Chromogens\*  
Hematoxylin\*  
Bluing reagent\*  
Mounting medium\*

\* Biocare Medical Products: Refer to a Biocare Medical catalog for further information regarding catalog numbers and ordering information. Certain reagents listed above are based on specific application and detection system used.

## Storage and Stability:

Store at 2°C to 8°C. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

## Protocol Recommendations:

Deparaffinize tissues and hydrate to water. If necessary perform a hydrogen peroxide block, wash in water, and rinse in PBS or TBS. The tissue section is ready for trypsin digestion.

1. Combine 1 part trypsin concentrate with 1 part buffer. Incubate for 5-10 minutes at 37°C or 15 minutes at room temperature.
2. Rinse well in PBS or TBS buffer and proceed with immunostaining procedure.

## Protocol Notes:

The working solution is stable for 5 working days at 2-8°C.

## Limitations:

The protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Biocare products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. The clinical interpretation of any positive or negative staining should be evaluated within the context of clinical presentation, morphology and other histopathological criteria by a qualified pathologist. The clinical interpretation of any positive or negative staining should be complemented by morphological studies using proper positive and negative internal and external controls as well as other diagnostic tests.

## Quality Control:

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2). CLSI Wayne, PA, USA ([www.clsi.org](http://www.clsi.org)). 2011

## Precautions:

1. This product contains less than 0.1% sodium azide. Concentrations less than 0.1% are not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA Hazard communication and EC Directive 91/155/EC. Sodium azide (NaN<sub>3</sub>) used as a preservative is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. (Center for Disease Control, 1976, National Institute of Occupational Safety and Health, 1976)
2. Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water.
3. Microbial contamination of reagents may result in an increase in nonspecific staining.
4. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.

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## Precautions Cont'd:

5. Do not use reagent after the expiration date printed on the vial.
6. The SDS is available upon request and is located at <http://biocare.net>.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.

## Troubleshooting:

Follow the antibody specific protocol recommendations according to data sheet provided. If atypical results occur, contact Biocare's Technical Support at 1-800-542-2002.