

## Viscosity Treatment System

Reference: 15524

***For laboratory use only; other uses must be qualified by the end user***

### INTENDED USE

Viscosity Treatment System (VTS) is a general-purpose reagent and may be used to liquefy semen samples that have remained viscous after 30 minutes at room temperature. VTS is intended to assist in sample preparation prior to analysis; and is not intended for a specific diagnostic application.

### KIT COMPONENTS

1. 20 vials of VTS. Each vial contains 5mg lyophilized alpha-Chymotrypsin Proteolytic Enzyme.
2. VTS Instructions for use.

### STORAGE INSTRUCTIONS AND STABILITY

Store the product at -20°C upon receipt. Warm to room temperature (25°C) prior to use. The product has one-year shelf life from date of manufacture. The expiration date is labeled on the box.

To avoid possibility of contamination and/or reduced enzymatic degradation maintain storage temperature of -20C.

### DIRECTIONS FOR USE

1. Gloves and mask should be worn when working with the VTS reagents.
2. Prior to opening each vial, tap the vial on a hard surface to dislodge any powder lodged in the vial cap.
3. Add the total contents of one vial of VTS to the semen sample (0.5mL - 5.0mL semen). Gently mix the sample to dissolve the powder.
4. Place the sample at 37°C until liquefaction occurs. If liquefaction has not occurred within 2 hours, the sample is not appropriate for use with VTS.
5. Once the sample has been liquefied, analysis should be done immediately. If not, the proteolytic enzyme should be neutralized.
  - a. Neutralize the sample by addition of exogenous protein such as Human Serum Albumin.

### PRECAUTIONS AND WARNINGS

Chymotrypsin is known to successfully assist in liquefaction of the majority of hyper-viscous semen samples. However, samples may be encountered in which the efficacy of this enzyme is reduced, and liquefaction is minimal.

Chymotrypsin may irritate the skin and eye if accidental contact, please use universal precaution during handling.

### RELATED PRODUCTS

Vitrolife has a full line of products for the Reproductive Medical Specialist. For more information or technical support please visit our website at [www.vitrolife.com](http://www.vitrolife.com) or contact Customer Service at (866) 848-7687. Email contact and information at [order.us@vitrolife.com](mailto:order.us@vitrolife.com).

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