



Thrombin – 100 IU

For In Vitro Research Use – Not For Diagnostic Use

ORIGIN

Highly purified human prothrombin by various chromatography techniques and activated to human Thrombin in a purified system. Prepared from a prothrombin complex concentrate extracted from human plasma.

APPLICATION

Suitable for use as a reagent for determination of Heparin in Anti-FIIa activity assays.

COMPOSITION

Each vial contains:

Human Thrombin	100 IU (90 – 115 IU) *
Poly-Ethylene-Glycol 6000 (PEG6000)	20 mg
Bovine Albumin	10 mg
Glycine	20 mg
Sodium Chloride	6 mg

*Consult Certificate of Analysis for lot specific data.

PREPARATION

Reconstitute in 1.0 mL of H₂O to obtain an activity of 100 IU/mL*. Further dilution can be made in H₂O or buffer according to specific assay protocols. Homogenize the reagent prior to use.

*Consult Certificate of Analysis for lot specific data.

THROMBIN ACTIVITY DETERMINATION

The Thrombin activity is determined using a chromogenic Thrombin substrate. The Thrombin activity in International Units (IU) is traceable and standardized against the WHO International Standard for Thrombin, Human, Concentrate.

SPECIFIC ACTIVITY

Above 2000 IU / mg

STORAGE

Store at 2-8°C in unopened original vial.

STABILITY

Lyophilized in unopened original vial:

Stable at 2-8°C until expiry date printed on the product label.

After reconstitution in 1 mL H₂O, stored in original vial, and provided any contamination or evaporation are avoided:

1 day at 18-25°C

2 weeks at 2-8°C.

6 months at < -30°C.

VIRAL SAFETY AND OTHER HAZARDS

Each donor unit used in the preparation of the human source reagent has been tested by FDA approved methods for the presence of Hepatitis B surface antigen and anti-bodies to HIV 1 and 2 and Hepatitis C and found to be negative. The bovine plasma used for preparation of BSA are from donor animals of BSE- and TSE-free livestock. Donor animals have been subjected to veterinary examination before and after donation, determining that the animals are indeed free of infectious materials.

However, since no test can completely rule out the presence of blood borne diseases, the handling and disposal of these human and bovine sourced reagents should be handled with all the required cautions, as being potentially infectious.

Upon assessment, this product is not classified as hazardous according to Regulation (EC) No 1272/2008.

SYMBOLS USED



Catalog number



Batch code



Use by



Temperature limitation

Country manufacture

Sweden

