# Antithrombin – 10 IU

## For In Vitro Research Use – Not For Diagnostic Use

**ORIGIN**
Highly purified Antithrombin prepared from human plasma using various chromatography techniques.

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

**COMPOSITION**
Each vial contains:

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|---|---|
| Human Antithrombin | 10 IU (9 – 12 IU)* |
| Bovine Albumin | 12 mg |
| Sodium Chloride | 9 mg |

*Consult Certificate of Analysis for lot specific data.

**PREPARATION**
Reconstitute in 1.0 mL of $H_2O$ to obtain an activity of 10 IU/mL*. Further dilution can be made in $H_2O$ or buffer according to specific assay protocols.
Homogenize the reagent prior to use.
*Consult Certificate of Analysis for lot specific data.

**ANTITHROMBIN ACTIVITY DETERMINATION**
The Antithrombin activity is determined according to the European Pharmacopoeia assay for Human Antithrombin III. The Antithrombin activity in International Units (IU) is traceable and standardized against the WHO International Standard for Antithrombin, Human, Concentrate.

**SPECIFIC ACTIVITY**
Above 6 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 10 mL $H_2O$, stored in original vial, and provided any contamination or evaporation are avoided:**
2 days at 18-25°C
2 weeks at 2-8°C.
6 months at < -20°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.

**Country manufacture** **Sweden**