

VON WILLEBRAND FACTOR

VWF : COLLAGEN BINDING ASSAYS

ELISA SETS

ELISA Assay



TECHNOZYM® VWF:CBA ELISA



Associated products

TECHNOZYM® VWF:CBA Calibrator Set

TECHNOZYM® VWF:CBA Control Set

Auxiliary reagents

Haematex Collagen Equine Fibrous type I/III

Informations

VWF is a multimeric high molecular weight (HPM) glycoprotein involved in primary hemostasis. VWF protects FVIII from degradation and transports it to plasma, and mediates platelet activation by binding to their membrane receptors GPIb and GPIIb / IIIa.

A quantitative or qualitative defect of VWF causes hemorrhagic pathologies which can be acquired or hereditary. VWF assay is needed to determine the type of disease.

HPM forms of VWF preferentially bind to collagen than low molecular weight forms.

The binding capacity of VWF to collagen serves as a parameter to determine the adhesive properties of VWF thus reflecting its physiological properties. A decrease in collagen binding can be due to :

- a decrease in the rate of VWF (type 1 and type 3 VWD)
- an absence of HPM multimer (type 2A and 2B VWD) : a rare specific deficiency in collagen binding is classified as type 2M.

Reference	Presentation	Number of tests
4-5450301	Kit	12 x 8

ELISA kit for the determination of Von Willebrand factor based on its capacity for binding to type III collagen.

The TECHNOZYM® VWF: CBA ELISA allows the antigenic determination of Von Willebrand factor in human plasma by ELISA method.

Components

- 12 breakable ELISA strips (12 x 8 wells coated with type III collagen)
- 2 adhesives for ELISA plate 1 vial x conjugated antibody (0.3 mL)
- 1 vial x TMB chromogen (12 mL)
- 1 bottle x stop solution (12 mL)
- 1 vial x wash buffer concentrate (100 mL)
- 1 vial x incubation buffer (100 mL)
- 5 vials x freeze-dried calibrators
- 1 vial x lyophilized low control plasma
- 1 vial x lyophilized high control plasma

Advantages

- Stability 6 months after opening.
- Reaction time 60 minutes.
- Better reproducibility.
- Better sensitivity.
- Better correlation with the HPM forms of VWF.
- Better sensitivity in detecting low amounts of VWF in severe type 1 deficiency.

Characteristics

- Reflects the physiological activity of VWF in plasma and concentrates. (Specialized hemostasis).
- Marker of response to DDAVP.
- Detects high concentrations of VWF from HPM in PTT (Thrombotic Thrombocytopenic Purpura).
- Detects low concentrations of low molecular weight VWF in TE (Essential Thrombocythemia).
- Sensitivity : 0 - 1.7 IU / mL
- Detection limit : 0.01 IU / mL

