

ELISA Assay

VWF ANTIGEN

1 TECHNOZYM® vWF:Ag ELISA

2 TECHNOZYM® vWF:Ag Calibrator Set

3 TECHNOZYM® vWF:Ag Control Set

4 TECHNOZYM® vWF:CBA ELISA

5 TECHNOZYM® vWF:CBA Calibrator Set

6 TECHNOZYM® vWF:CBA Control Set

7 TECHNOZYM® vWF:CBA ELISA Collagen Type I

8 TECHNOZYM® vWF:CBA ELISA Collagen Type VI

Characteristics

The von Willebrand Factor (vWF) is a large, multifunctional glycoprotein, occupying a key position in primary haemostasis. It has a multiple structure with several functions:

- It is the carrier protein for Factor VIII in plasma; it forms a complex and thus protects Factor VIII from early proteolytic decomposition.
- It acts as a mediator for platelet aggregation by attaching itself to platelet membrane receptors (GP Ib and GP IIb/IIIa) following previous platelet activation.
- It plays a part in primary haemostasis by acting as a mediator between adhesioned platelets and the subendothelium (lesioned vascular wall).



1. TECHNOZYM® VWF:AG ELISA

Cat. number	Conditioning	Package size
4-5450201	kit	12 x 8



Kit contents:

- 1 bottle of Washing buffer concentrate (80 mL)
- 1 bottle of Incubation Buffer (90 mL)
- 5 calibrators, lyophilized
- 1 vial of control High plasma, lyophilized
- 1 vial of Conjugate polyclonal Anti-vWF-POX (0.3 mL)
- 1 bottle of TMB (12 mL)
- 12 ELISA strips (12 x 8 wells)

ELISA kit for determination of von Willebrand Factor antigen in plasma and concentrates.

The von Willebrand Syndrome (vWS) is the most frequently occurring hemorrhagic disease; it may be hereditary as well as acquired, caused by quantitative or qualitative defects of the vWF. Determining the vWF antigen is an essential part of the diagnosis. The vWF: Ag ELISA allows a differential diagnosis between hemophilia A and vWS and additional diagnostics in case of hepatic and vascular diseases.

Use

- Test time: 60 minutes.
- Sensitivity: 0 - 1.4 U/mL vWF Ag.



2. TECHNOZYM® VWF:AG CALIBRATOR SET

Cat. number	Conditioning
4-5450210	5 x 0.5 mL



Calibrator plasma set for TECHNOZYM vWF:Ag ELISA kit.

Calibrators are numbered; Concentrations are lot-dependent; consult label on the vial.



3. TECHNOZYM® VWF:AG CONTROL SET

Cat. number	Conditioning
4-5450212	2 x 0.5 mL



Control plasma set for TECHNOZYM vWF:Ag ELISA kit.

Control plasmas "low level" and "high level" for checking purposes. Concentrations are lot-dependent; consult the label on the vial.

4. TECHNOZYM® VWF:CBA ELISA

Cat. number	Conditioning	Package size
4-5450301	kit	12 x 8



Kit contents:

- 1 bottle of Washing buffer concentrate (100 mL)
- 1 bottle of Incubation buffer (100 mL)
- 5 calibrators, lyophilized
- 1 vial of Low control plasma, lyophilized
- 1 vial of High control plasma, lyophilized
- 1 vial of conjugate (0.3 mL)
- 1 bottle of TMB (12 mL)
- 1 bottle of Stop Solution (12 mL)
- 12 ELISA strips (12 x 8 wells)
- 2 adhesive films

ELISA for determination of von Willebrand Factor collagen binding activity. In combination of von Willebrand disease type 1, 2 and 3 is possible.

In order to analyze the adhesive properties of the von Willebrand Factor, as a rule, the platelet aggregation is measured (measuring system = ristocetin-dependent platelet aggregation). However, this does not reflect the physiological setting nor the function of the vWF. For determining the adhesive properties of the vWF, its binding capacity to collagen serves as a parameter which corresponds to the physiological function of the vWF.

Features & benefits

- Reagents are stable 6 months after opening
- Normal range for vWF:CBA is between 0.6 – 1.3 U/mL (60 – 130 %)
- Test time: 60 minutes

5. TECHNOZYM® VWF:CBA CALIBRATOR SET

Cat. number	Conditioning
4-5450310	5 x 0.5 mL



Calibrator plasma set for TECHNOZYM® vWF:CBA ELISA Kit.

Calibrators (Standards) are numbered; Concentrations are lot-dependent; consult label on the vial.

6. TECHNOZYM® VWF:CBA CONTROL SET

Cat. number	Conditioning
4-5450312	5 x 0.5 mL



Control plasma set for TECHNOZYM® vWF:CBA ELISA Kit.

Control plasmas "low level" and "high level" for checking purposes. Concentrations are lot-dependent; consult the label on the vial.

7. TECHNOZYM® VWF:CBA ELISA COLLAGEN TYPE I

Cat. number	Conditioning	Package size
4-5450311	kit	12 x 8



Kit contents:

- 1 bottle of Wash solution concentrate (80 mL)
- 1 bottle of incubation buffer (90 mL)
- 5 calibrators, lyophilized
- 1 vial of Low control plasma, lyophilized
- 1 vial of High control plasma, lyophilized
- 1 vial of Conjugate (0.3 mL)
- 1 vial of TMB (12 mL)
- 1 bottle of Stop Solution (12 mL)
- 12 ELISA strips (12 x 8 wells)
- 2 adhesive films

ELISA kit for determination of von Willebrand Factor collagen binding activity with collagen Typ I coated plates.

In order to analyze the adhesive properties of the von Willebrand Factor, as a rule, the platelet aggregation is measured (measuring system = ristocetin-dependent platelet aggregation). However, this does not reflect the physiological setting nor the function of the vWF. For determining the adhesive properties of the vWF, its binding capacity to collagen serves as a parameter which corresponds to the physiological function of the vWF.

Features & benefits

- Reagents are stable 6 months after opening
- 12 ELISA test strips with 8 wells each
- Normal range for vWF:CBA is between 0.6 – 1.3 U/mL (60 – 130 %)
- Test time: 105 minutes

8. TECHNOZYM® VWF:CBA ELISA COLLAGEN TYPE VI

Cat. number	Conditioning	Package size
4-5450321	kit	12 x 8

RUO  2°C/8°C

6M
2-8°C

Kit contents:

- 1 bottle of Wash solution concentrate (80 mL)
- 1 bottle of incubation buffer (90 mL)
- 5 calibrators, lyophilized
- 1 vial of Low control plasma, lyophilized
- 1 vial of High control plasma, lyophilized
- 1 vial of Conjugate (0.3 mL)
- 1 vial of TMB (12 mL)
- 1 bottle of Stop Solution (12 mL)
- 12 ELISA strips (12 x 8 wells)
- 2 adhesive films

ELISA kit for determination of von Willebrand Factor collagen binding activity with collagen Typ VI coated plates.

In order to analyze the adhesive properties of the von Willebrand Factor, as a rule, the platelet aggregation is measured (measuring system = ristocetin-dependent platelet aggregation). However, this does not reflect the physiological setting nor the function of the vWF. For determining the adhesive properties of the vWF, its binding capacity to collagen serves as a parameter which corresponds to the physiological function of the vWF.

