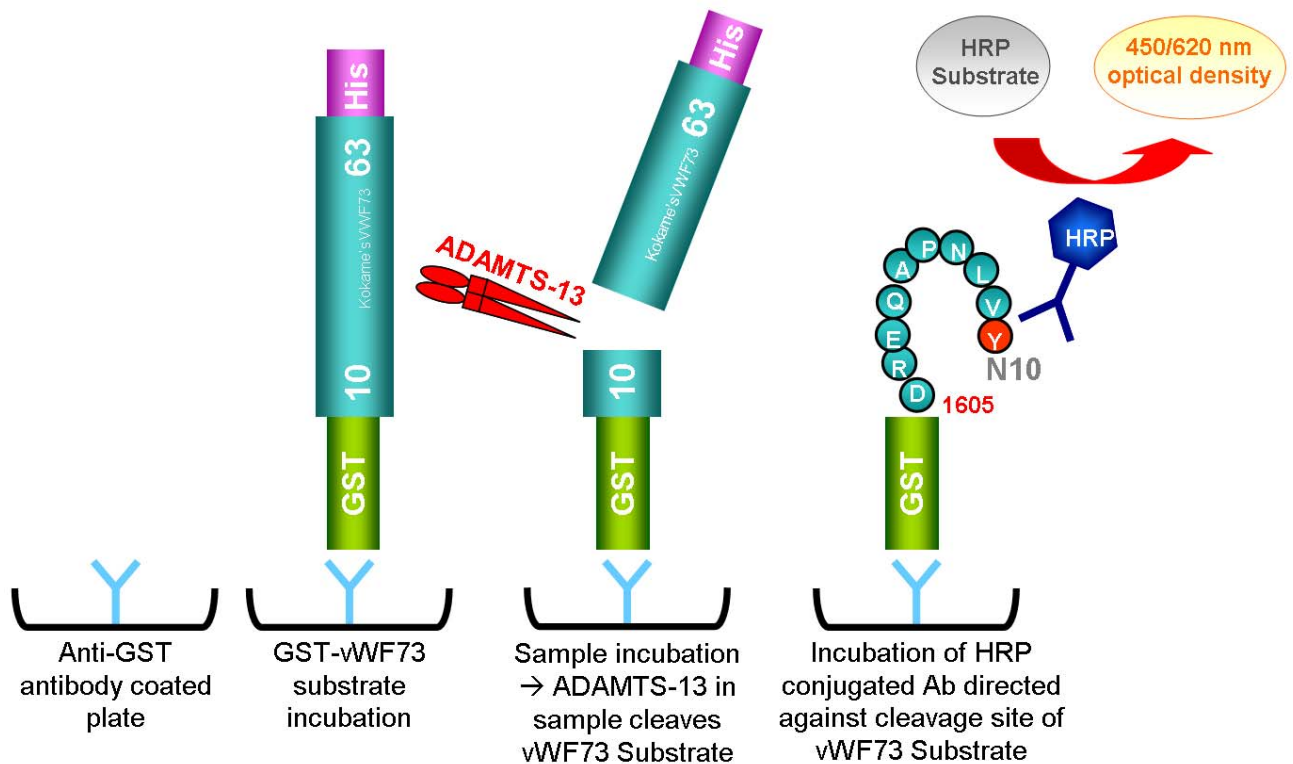


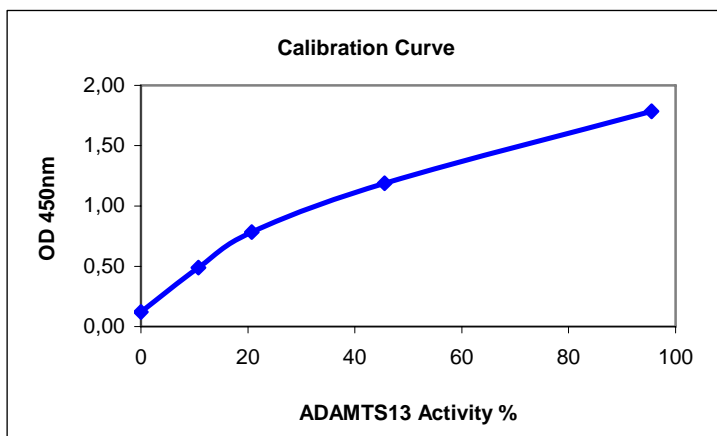
TECHNOZYM[®] ADAMTS-13 Activity ELISA

TECHNOZYM[®] ADAMTS-13 Activity ELISA is a **chromogenic** ELISA for the determination of ADAMTS-13 activity in human plasma. ADAMTS-13 is an enzyme that specifically cleaves unusually large von Willebrand Factor multimers, which induce platelet thrombus formation under high shear stress. If the activity of ADAMTS-13 is lowered for some reason, unusually large vWF multimers may accumulate within blood causing thrombosis due to platelet aggregation, which in turn may lead to TTP (Thrombotic thrombocytopenic purpura).

ASSAY PRINCIPLE



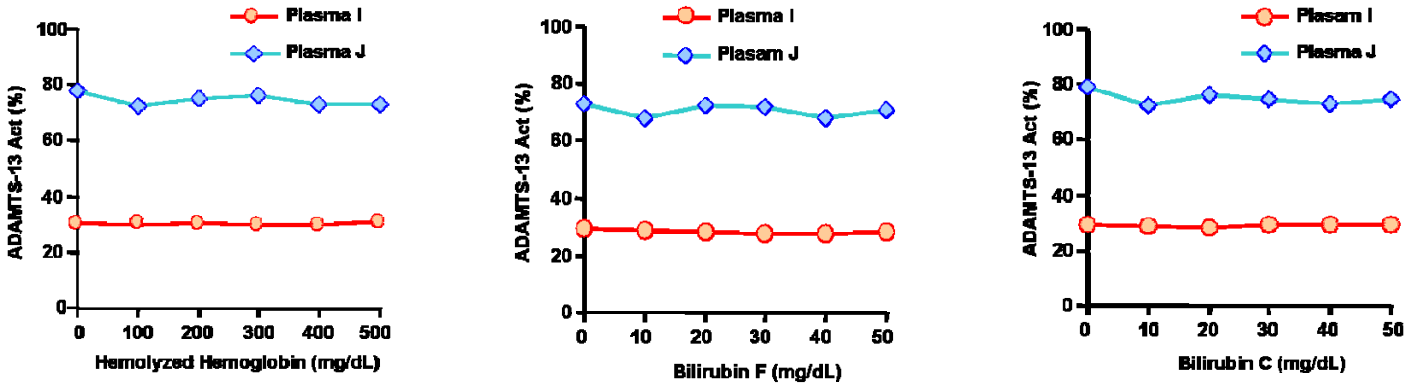
EXAMPLE OF CALIBRATION CURVE



ADVANTAGES OF THE TECHNOZYM[®] ADAMTS-13 ACTIVITY ASSAY:

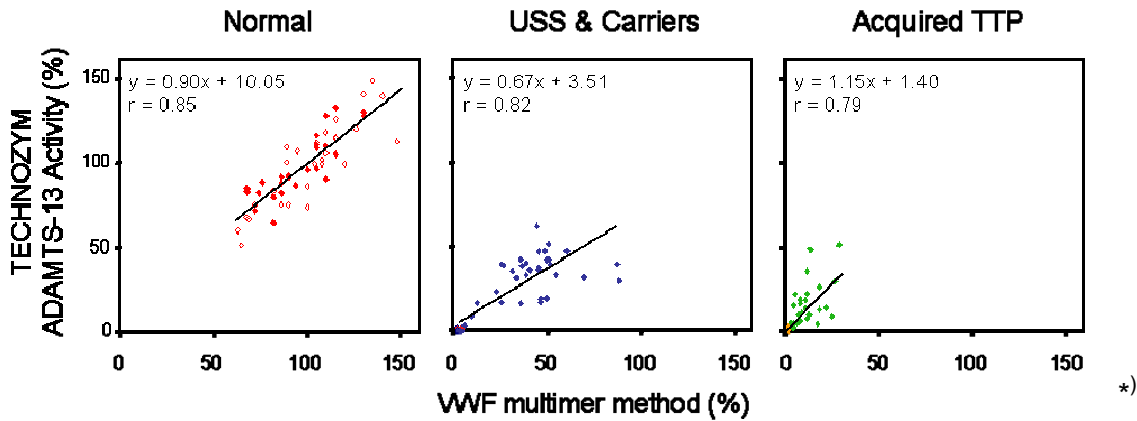
- 1) sensitivity for ADAMTS-13 activity down to 0.5% of normals
- 2) high sensitivity for functional Inhibitor determination
- 3) independence of any special technique or instrument except for standard ELISA equipment
- 4) short assay time (3h)
- 5) calibrators and controls included

NO EFFECT OF BILIRUBIN AND HEMOGLOBIN ON ASSAY RESULT



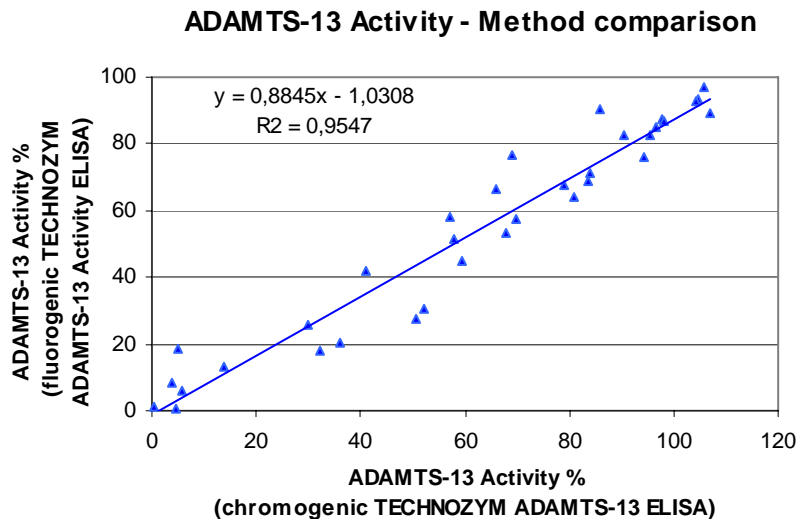
CORRELATION OF ADAMTS-13 ACTIVITY MEASUREMENT

COMPARISON TECHNOZYM[®] ADAMTS-13 ACTIVITY ELISA – VWF MULTIMER METHOD



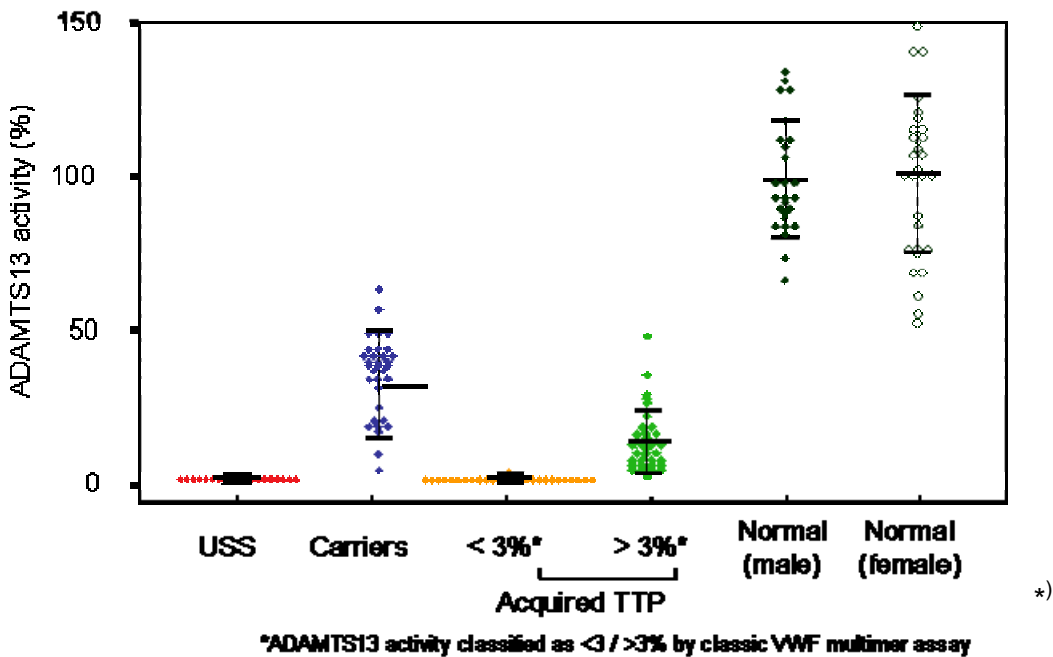
Good correlation in ADAMTS-13 activity between TECHNOZYM[®] ADAMTS-13 Activity ELISA and vWF multimer method for different groups of samples.

COMPARISON OF CHROMOGENIC TECHNOZYM[®] ADAMTS-13 ACTIVITY ELISA AND FLUOROGENIC TECHNOZYM[®] ADAMTS-13 ELISA



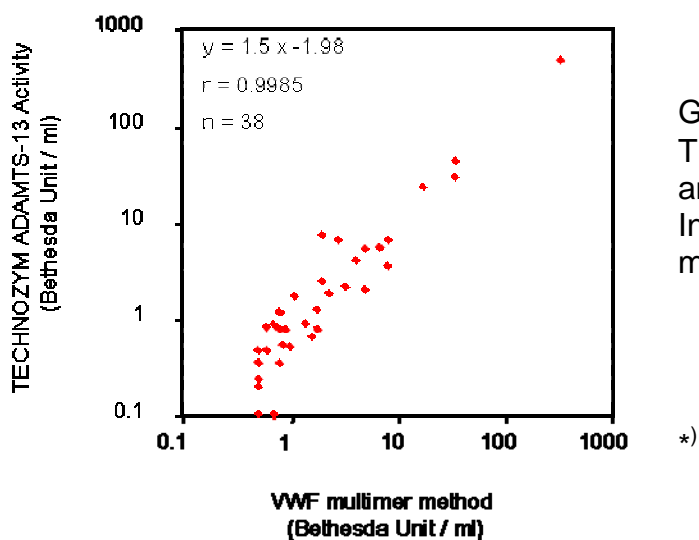
Good correlation between chromogenic TECHNOZYM[®] ADAMTS-13 Activity ELISA and fluorogenic TECHNOZYM[®] ADAMTS-13 ELISA.

LEVELS OF ADAMTS-13 ACTIVITY



Good differentiation between USS patients, USS carriers, TTP patients and normals possible (USS = Upshaw-Schulman Syndrome = congenital TTP). TTP patients classified as <3% / >3% in vWF multimer assay are also found as <3% / >3% in the TECHNOZYM® ADAMTS-13 Activity ELISA.

CORRELATION OF ACTIVITY ASSAYS FOR FUNCTIONAL INHIBITOR DETERMINATION



Good correlation between the TECHNOZYM® ADAMTS-13 Activity ELISA and the vWF multimer method for functional Inhibitor determination using Bethesda type method.

*) Kato S, Matsumoto M, Matsuyama T, Isonishi A, Hiura H, Fujimura Y.; Novel monoclonal antibody-based enzyme immunoassay for determining plasma levels of ADAMTS-13 Activity, Transfusion. 2006 Aug;46(8):1444-52.

ORDERING INFORMATION

REF 5450701 TECHNOZYM® ADAMTS-13 Activity ELISA 96 T.

REF 5450761 TECHNOZYM® ADAMTS-13 Activity Calibrator Set 6 x 0.5 mL

REF 5450763 TECHNOZYM® ADAMTS-13 Activity Control Set 2 x 0.5 mL

RELATED PRODUCTS

ADAMTS-13 ELISA´s

TECHNOZYM® ADAMTS-13 is a fluorogenic ELISA for the determination of ADAMTS-13 antigen and activity in plasma.

REF 5450501 TECHNOZYM® ADAMTS-13 (fluorogenic Activity/Antigen) ELISA 2 x 48 T.

REF 5450551 TECHNOZYM® ADAMTS-13 (fluorogenic Activity/Antigen) ELISA 48 T.

REF 5450561 TECHNOZYM® ADAMTS-13 INH Calibrator Set 5 x 0.5 mL

REF 5450563 TECHNOZYM® ADAMTS-13 INH Control Set 2 x 0.5 mL

TECHNOZYM® ADAMTS-13 INH is a chromogenic ELISA for the determination of antibodies directed against ADAMTS-13.

REF 5450401 TECHNOZYM® ADAMTS-13 INH ELISA 2 x 48 T.

REF 5450451 TECHNOZYM® ADAMTS-13 INH ELISA 48 T.

REF 5450461 TECHNOZYM® ADAMTS-13 INH Calibrator Set 5 x 0.5 mL

REF 5450463 TECHNOZYM® ADAMTS-13 INH Control Set 2 x 0.5 mL

TECHNOZYM® ADAMTS-13 Antigen is a chromogenic ELISA for the determination of ADAMTS-13 antigen in plasma.

REF 5450601 TECHNOZYM® ADAMTS-13 Antigen ELISA 96 T.

REF 5450661 TECHNOZYM® ADAMTS-13 Antigen Calibrator Set 5 x 0.5 mL

REF 5450663 TECHNOZYM® ADAMTS-13 Antigen Control Set 2 x 0.5 mL

von Willebrand ELISA´s

REF 5450201 TECHNOZYM® vWF:Ag ELISA 96 T.

REF 5450210 TECHNOZYM® vWF:Ag Calibrator Set 5 x 0.5 mL.

REF 5450212 TECHNOZYM® vWF:Ag Control Set 2 x 0.5 mL.

REF 4847410 TechnoLEIA vWF:Ag ~70T. *NEW*

REF 5450301 TECHNOZYM® vWF:CBA (Typ III) ELISA 96 T.

REF 5450310 TECHNOZYM® vWF:CBA Calibrator Set 5 x 0.5 mL.

REF 5450312 TECHNOZYM® vWF:CBA Control Set 2 x 0.5 mL.

REF 5450311 TECHNOZYM® vWF:CBA Collagen Typ I ELISA 96 T.

REF 5450321 TECHNOZYM® vWF:CBA Collagen Typ VI ELISA 96 T.