

TECHNOCLONE ADAMTS13 KITS

Your partners for ADAMTS13

- Chromogenic Activity ELISA (FDA Granted IVD)
- Fluorogenic Activity ELISA*
- ADAMTS13 Antigen ELISA*
- ADAMTS13 Inhibitor ELISA*
- Automated ADAMTS13 on the Ceveron® s100*
- Automated Inhibitory Anti-ADAMTS13 Bethesda Assay on Ceveron® s100*
- ADAMTS13 Screening Test*

*Research use only in the U.S. and Canada. Not for diagnostic procedures.

ADAMTS13

A Disintegrin and Metalloprotease with Thrombospondin Motifs

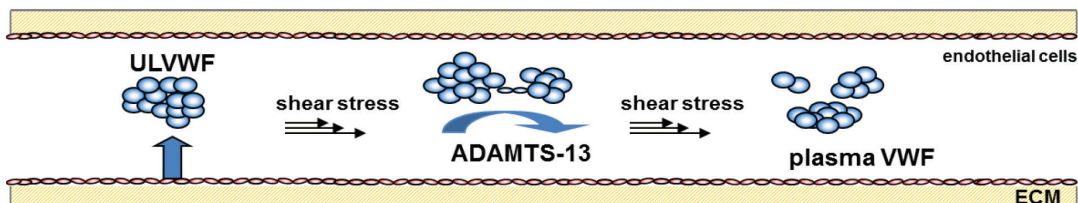
Background:

- ADAMTS13 is a plasma protein with low concentration (5 nmol/L) which cleaves very specific large vWF multimers under laminar flow conditions.
- A functional defect of ADAMTS13 leads to presence of higher molecular weight forms of vWF in plasma and thus to increased platelet aggregation.
- Thrombotic microangiopathy (TMA) is a pathologic state which results in thrombosis in capillaries and arterioles, due to an endothelial injury. The classic TMAs are atypical hemolytic uremic syndrome (aHUS) and TTP.
- TTP occurs at a very low ADAMTS13 activity concentration.

ADAMTS13 Function

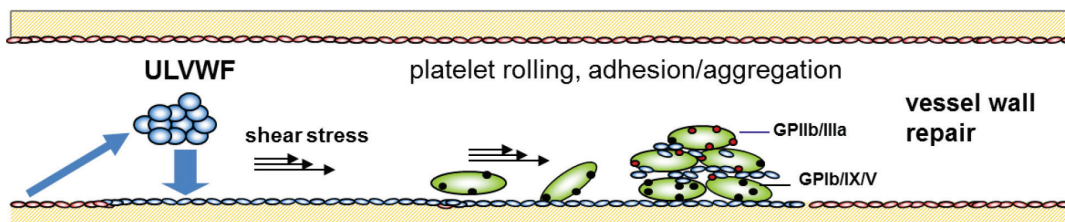
Intact Vessel Wall

ADAMTS13 regulates under normal circumstance the size of vWF multimers



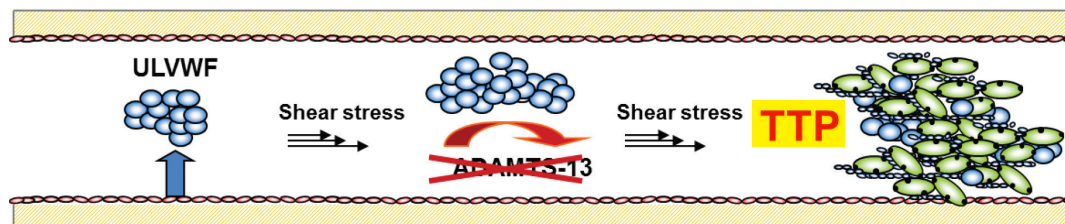
Injured/Inflamed Vessel Wall

vWF multimers build a connection between collagen and platelets



Absence of ADAMTS13

Formation of very large vWF multimers leads to platelet aggregation in healthy vessels TTP



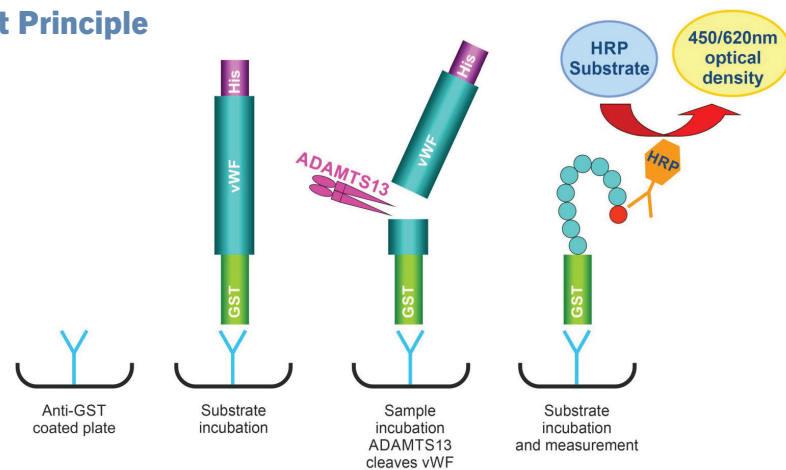
TECHNOZYM[®] ADAMTS13 Activity (Chromogenic) #5450701-US

Chromogenic ELISA for the determination of ADAMTS13 Activity

The Technozym ADAMTS13 Activity assay is an enzyme-linked immunosorbent assay (ELISA) intended for the determination of ADAMTS13 activity in platelet poor human citrated plasma. The assay is intended to be used in conjunction with other clinical and laboratory findings as an aid in the qualitative diagnosis of thrombotic thrombocytopenic purpura (TTP) in adult and pediatric patients being evaluated for thrombotic microangiopathy (TMA).

- First ADAMTS13 Activity Test to receive marketing authorization by FDA
- Calibrators and Controls are traceable to WHO 1st international Standard ADAMTS13 plasma (NIBSC code 12/252)
- No interference by bilirubin, lipemic samples up to 500 mg/dL, or hemolytic samples up to 220 mg/dL

Test Principle



TECHNOFLUOR® ADAMTS13 ACTIVITY ON CEVERON® s100 #5800100

The Ceveron s100 was specially designed with high power LEDs and sensitive detectors to reliably and accurately detect low levels of ADAMTS13 by FRET.

The TECHNOFLUOR® ADAMTS13 Activity is based on a fluorogenic vWF substrate that is cleaved by ADAMTS13, releasing a dark quencher that allows the emission of fluorescence. The fluorescent signal is proportional to the amount of ADAMTS13 activity in the sample.

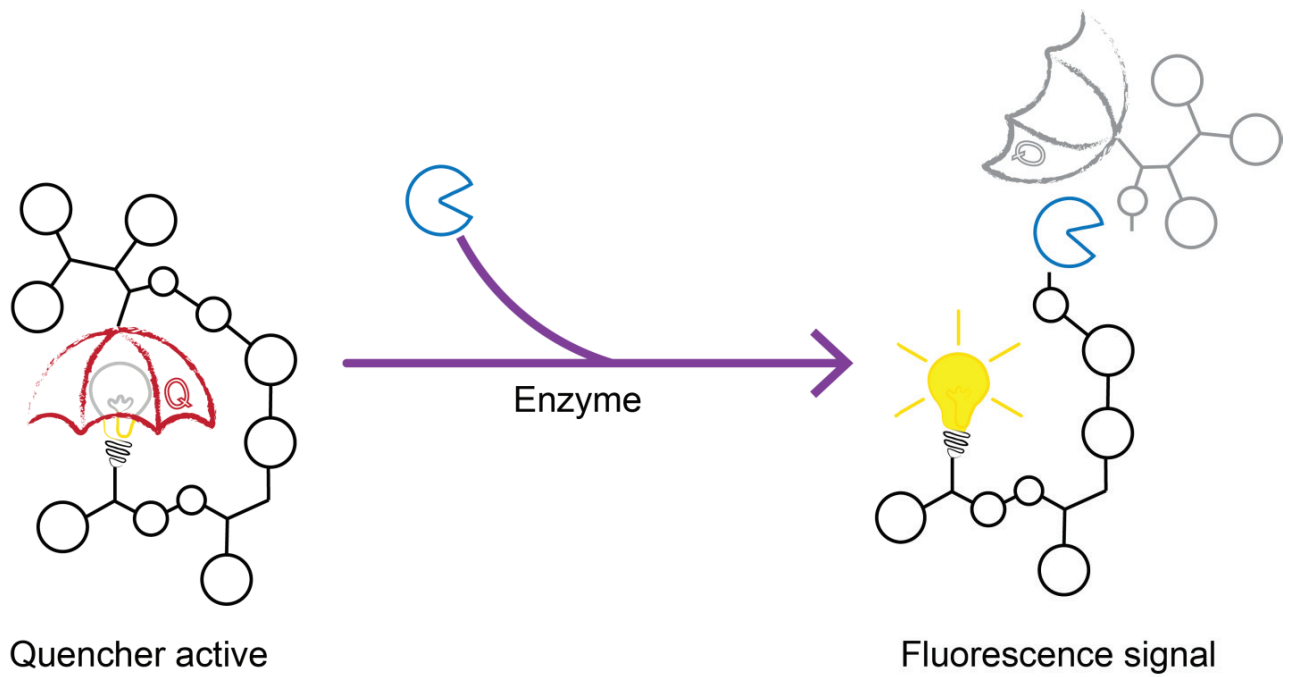
Time and Cost Saving

- Save valuable plasma and financial resources

Easy and Fast

- Fully automated ADAMTS13 activity result in less than 30 minutes
- Run ADAMTS13 activity sample as easily as a routine coagulation test
- Can perform the assay alongside other standard and specialty coagulation tests, including TGA
- Single calibration required per manufacturing lot
- High sensitivity with minimal hands-on time
- Resistant to various interferences including immunological interferences

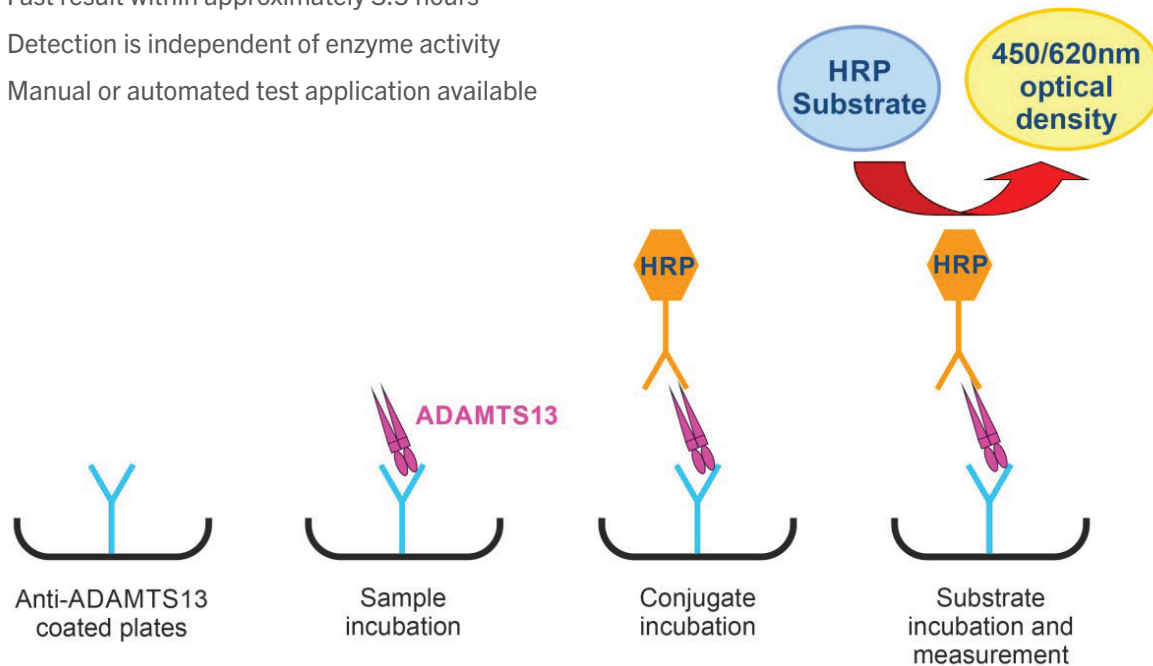




TECHNOZYM® ADAMTS13 ANTIGEN ELISA #5450601

Chromogenic ELISA for determination of ADAMTS13 antigen concentration

- Measuring range 0.0 - 1.0 U/ml
- LOD 0.012 U/ml
- High linearity
- Calibrators and Controls are traceable to WHO 1st international Standard ADAMTS13 plasma (NIBSC code 12/252)
- Fast result within approximately 3.5 hours
- Detection is independent of enzyme activity
- Manual or automated test application available



TECHNOZYM® ADAMTS13 INHIBITOR ELISA #5450401 #5450451

Chromogenic ELISA for determination of antibodies directed against ADAMTS13

- Differentiation between TTP and non-TTP auto-antibodies
- Measuring range 2 - 104 U/ml
- LOD 1.68 U/ml
- High specificity
- Fast result within about 3 hours
- Manual or fully automated testing

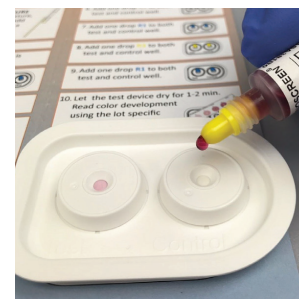
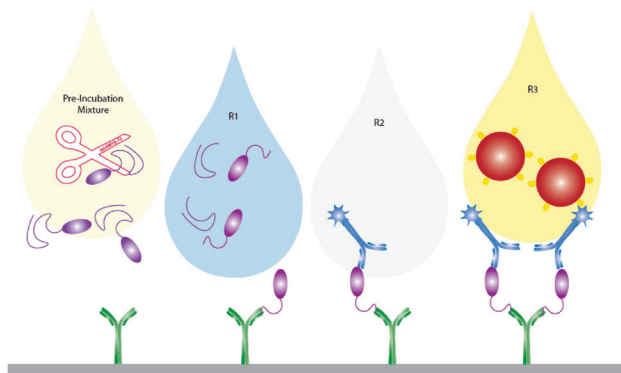
TECHNOSCREEN® ADAMTS13 ACTIVITY #5700100

Semi-quantitative flow through assay for the determination of ADAMTS13 activity levels

The TECHNOSCREEN® ADAMTS13 is a semiquantitative flow through assay for the determination of ADAMTS13 activity levels in human citrated plasma. This assay is intended as a screening tool for estimating ADAMTS13 activity. Useful for selecting plasmas for ADAMTS13 research.

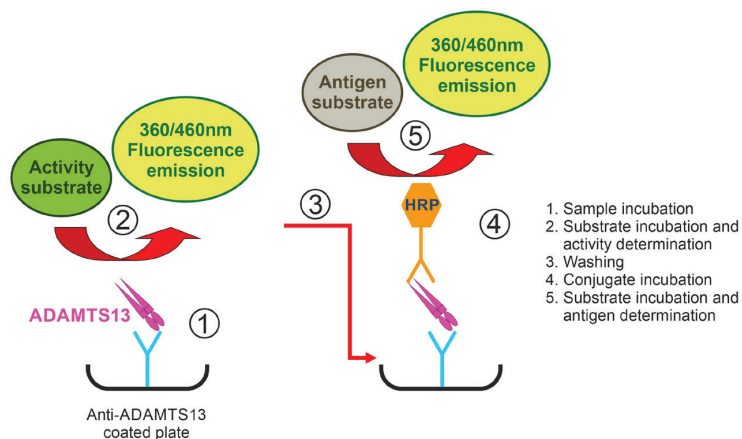
Quick & Easy

- Short instruction with a pre-incubation tube holder included in every package
- Large and small pipettes for the pre-incubation mixture included
- Easy test procedure for rapid results with ready-to-use reagents
- No additional instrument required
- Results in 30 minutes
- For the interpretation of the results, a color chart is included in the kit



TECHNOZYM® ADAMTS13 (FLUOROGENIC) #5450501 #5450551

Fluorogenic ELISA for the determination of ADAMTS13 antigen and activity



Activity and Antigen Determination

- Manual fluorogenic method
- Incubation at room temperature
- Calculation tool available for antigen and activity
- No sample predilution
- Applications available for various fluorogenic readers
- Calibrators and Controls are traceable to WHO 1st international Standard ADAMTS13 plasma (NIBSC code 12/252)

ADAMTS13 Assay Kits

TECHNOZYM® ADAMTS13 Activity ELISA **Prod. #5450701-US, 96 Tests - FDA Granted**

- 12 x 8 Anti-GST strips
- 1 x 12 ml HRP Conjugate
- 1 x 30 ml Reaction Buffer
- 1 x 53 ml Wash Buffer Concentrate
- 1 x 12 ml TMB Substrate
- 2 x 6 ml GST-vWF73 Substrate
- 1 x 12 ml Stop Solution
- 8 x 0.5 ml Calibrators and Controls

TECHNOZYM® ADAMTS13 INH ELISA **Prod. #5450401*, 96 Tests | Prod. #5450451*, 48 Tests**

- 12 x 8 ADAMTS13 Strips
- 1 x 0.3 ml Anti-IgG Conjugate
- 1 x 80 ml Wash Buffer Concentrate
- 1 x 90 ml Incubation Buffer
- 1 x 12 ml TMB Substrate
- 1 x 12 ml Stop Solution
- 7 x 0.5 ml Calibrators and Controls

TECHNOZYM® ADAMTS13 Activity/Antigen ELISA **Prod. #5450501*, 2 x 48 Tests | Prod. #5450451*, 48 Tests**

- 12/6 x 8 Anti-ADAMTS13 strips
- 1 x 0.3 ml anti-ADAMTS13 Conjugate
- 1 x 80 ml Wash Buffer Concentrate
- 1 x 90 ml Incubation Buffer
- 2/1 x 3 ml Activity Substrate
- 1 x 6 ml Antigen Substrate
- 1 x 0.7 ml Stable Peroxidase Solution
- 1 x 6 ml Stop Solution
- 7 x 0.5 ml Calibrators and Controls

ADAMTS13 Inhibitor Bethesda method* also available

Visit diapharma.com for our full line of products for TMA research, including anti-Factor H!

Questions about any product in our lineup?
We're just a click or phone call away.

800.526.5224 | info@diapharma.com | diapharma.com

TECHNOFLUOR® ADAMTS13 Activity **Prod. #5800100*, 25 Tests for use with CEVERON® s100**

Fully Automated Assay Kit

- 2 x 1 mL substrate reagent
- 2 x 3 mL sample buffer
- Technofluor ADAMTS13 Activity 0 Cal (not included with kit)*, Prod. #5800102
- Coagulation Reference (not included)*
- Coagulation Control N (not included)*
- Coagulation Control A (not included)*

*Automated ADAMTS13 Inhibitor Bethesda method also available**

TECHNOZYM®* ADAMTS13 Antigen ELISA **Prod. #5450601*, 96 Tests**

- 12 x 8 Anti-ADAMTS13 strips
- 1 x 0.3 ml Anti-ADAMTS13 Conjugate
- 1 x 80 ml Wash Buffer Concentrate
- 1 x 90 ml Incubation Buffer
- 1 x 12 ml TMB Substrate
- 1 x 12 ml Stop Solution
- 7 x 0.5 ml Calibrators and Controls

TECHNOSCREEN® ADAMTS13 Activity **Prod. #5700100*, 10 Tests**

- 10 x Test Devices
- 10 x Pre-Incubation Tubes
- 1 x 4 ml R1
- 1 x 1 ml R2
- 1 x 1 ml R3
- 11 x Large Pipettes (300 µl)
- 22 x Small Pipettes (60 µl)
- 1 x Short Instruction Pad
- 1 x Reference Color Chart

