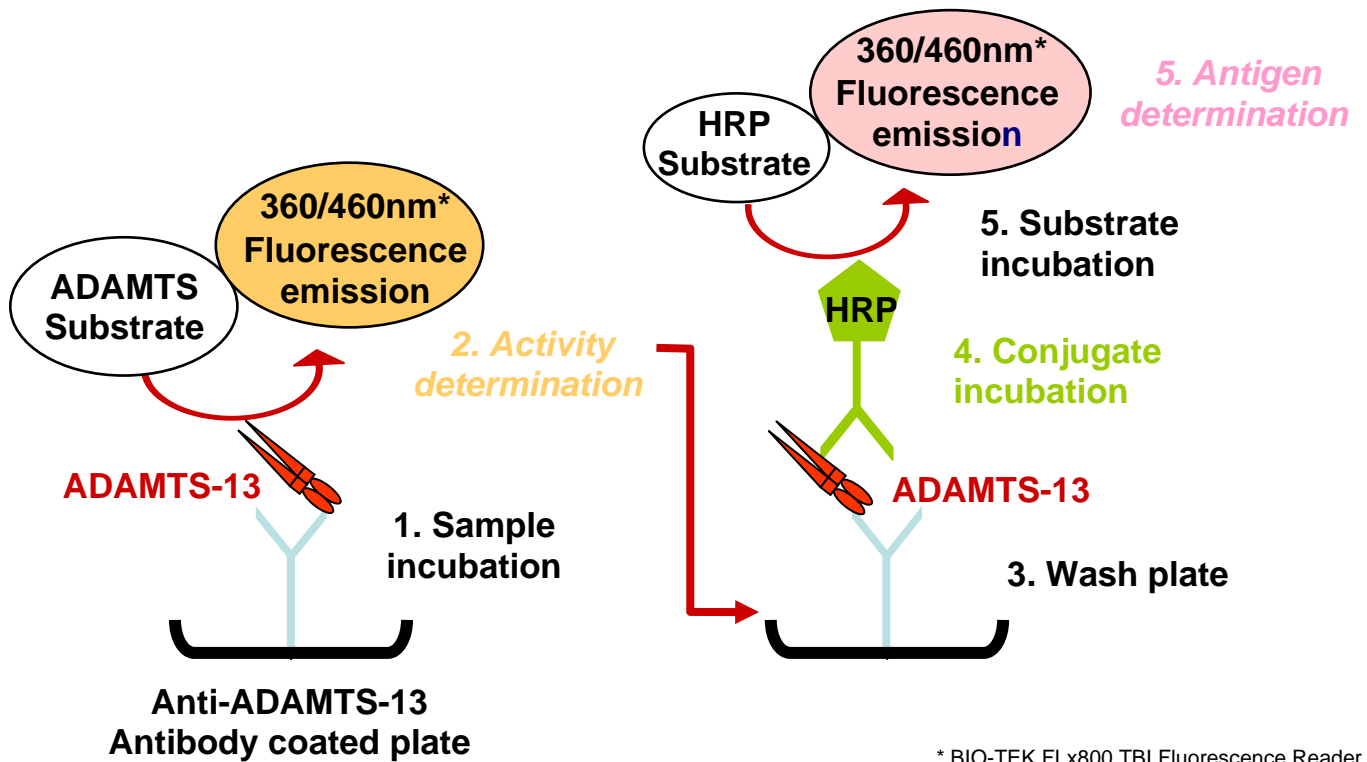


TECHNOZYM[®] ADAMTS-13

TECHNOZYM[®] ADAMTS-13 is an ELISA for the determination of ADAMTS-13 antigen and activity in plasma. ADAMTS-13 is the enzyme that cleaves vWF under laminar flow conditions. A functional defect of this enzyme leads to the presence of higher molecular weight forms of this vWF and increased platelet aggregation.

Test Principle of TECHNOZYM[®] ADAMTS-13 ELISA



* BIO-TEK FLx800 TBI Fluorescence Reader available through www.technoclone.com

Evaluation sheet for TECHNOZYM[®] ADAMTS13 version 01.12.2007

Kit batch: RW6100
Date: 25.01.2008
Investigator: E. Tschöke
Reader/Serial Nr: BIOTEK FLx800

Concentration of Standards	Activity	Antigen
1 =	100,00	100,00
2 =	33,33	33,33
3 =	11,11	11,11
4 =	3,70	3,70
5 =	0,00	0,00

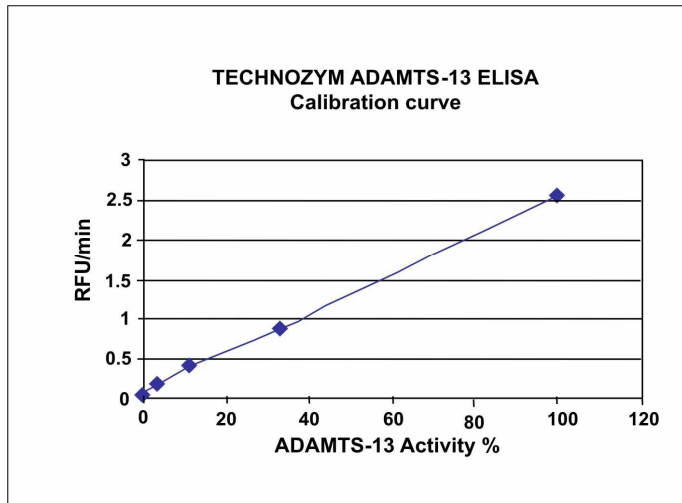
Pos. Nr.	sample name	Dil.	Activity measurement				Antigen measurement				note
			RFU/ min.	RFU/min	CV%	% Activity	RFU	RFU MW	CV%	% Antigen	
	STD 1		3,355	100,00		411,6	100,00				
	STD 2		1,082	33,33		161,6	33,33				
	STD 3		0,418	11,11		81,5	11,11				
	STD 4		0,118	3,70		48,0	3,70				
	STD 5		0,000	0,00		25,0	0,00				
C2	high		2,04	2,04	12,10%	68,90	229	227	1,25%	58,90	
D2			1,55			225					
E2	low		0,25	0,25	2,35%	6,85	59	60	2,36%	6,35	
F2			0,24			61					
G2	blank		0,03	<0,01	1,00%	<2	26	27	5,24%	<2	
H2			<0,05			28	448	442	2,08%	>100	
A3	1		2,38	2,41	3,25%	74,20	495	177	0,46%	37,46	
B3			2,46			495					
C3	2		0,80	0,71	30,26%	20,85	177	177	0,46%	37,46	
D3			0,62			176					
E3	3		0,43	0,38	6,61%	10,21	88	88	2,42%	12,79	
F3			0,34			86					
G3	4		0,14	0,25	43,75%	6,85	49	52	6,16%	4,58	
H3			0,35			55					
A4	5		0,00	0,00	7,18%	2,71	24	24	3,01%	<2	
B4			0,11			25					

Assay components:

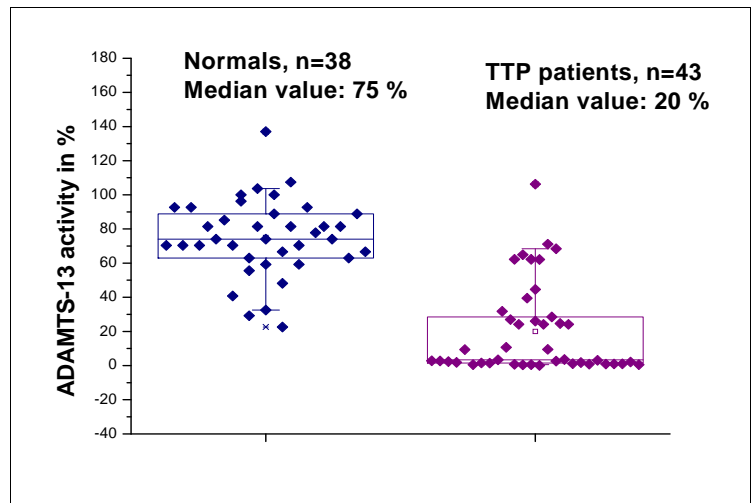
- ready to use coated ELISA plate
- 5 standards
- 2 controls
- concentrated, stabilized conjugate
- 2 Fluorescence substrates (only one pair of filters necessary)
- Sample used undiluted

Excel Evaluation Software

Activity determination

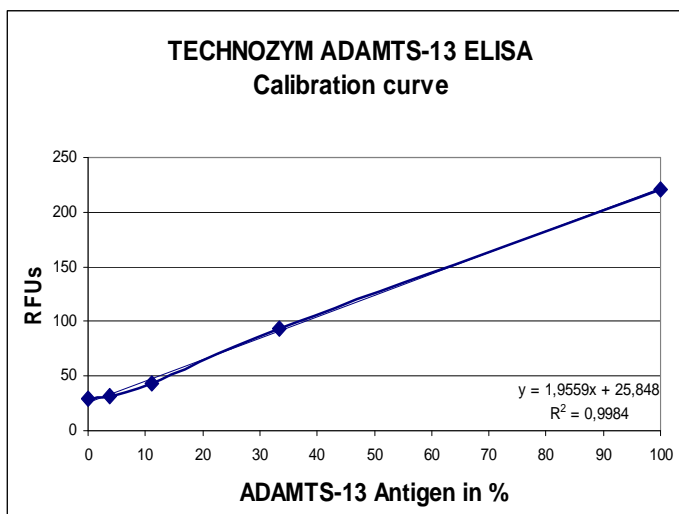


Calibration is performed by defining units in percent of normal plasma ADAMTS-13 activity using a pooled plasma obtained from >100 healthy donors. The activity assay allows the determination of ADAMTS-13 activity below 5%.

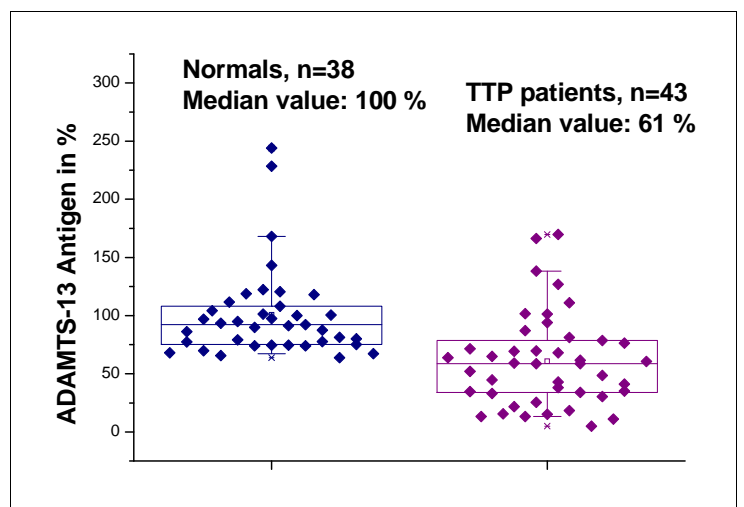


The activity assay shows a significant difference of ADAMTS-13 activity between normals and TTP patients.

Antigen determination



Calibration is performed by defining units in percent of normal plasma ADAMTS-13 antigen using a pooled plasma obtained from >100 healthy plasma donors.



The antigen assay shows a significant difference of ADAMTS-13 antigen between normals and TTP patients.

Ordering Information

REF 5450501 TECHNOZYM® ADAMTS-13 ELISA 2 x 48 T.

REF 5450551 TECHNOZYM® ADAMTS-13 ELISA 48 T.