

ADAMTS-13 KITS FROM TECHNOCLONE – COMPARISON SHEET



Product NAME	TECHNOZYM® ADAMTS-13	TECHNOZYM® ADAMTS-13 ACTIVITY ELISA	TECHNOZYM® ADAMTS-13 ANTIGEN ELISA	TECHNOZYM® ADAMTS-13 INH (for auto-antibodies to ADAMTS-13)
REF Number(s)	5450501: 2 x 48 T. 5450551: 48 T. 5450561: Calibrator Set 5 x 0.5 mL 5450563: Control Set 2 x 0.5 mL 5450555: POX polyclonal rabbit AB 1ml	5450701: 96 T. 5450761: Calibrator Set 5 x 0.5 mL 5450763: Control Set 2 x 0.5 mL	5450601: 96 T.	5450401: 2 x 48 T. 5450451: 48 T. 5450461: Calibrator Set 5 x 0.5 mL 5450463: Control Set 2 x 0.5 mL
Assay Type	Fluorogenic Activity and Antigen	Activity	Antigen	Antigen
Determinations	48 or 96 T.	96 T.	96 T.	48 or 96 T.
Status	CE	RUO ; CE pending	CE	CE
Methodology	Fluorogenic ELISA	Chromogenic ELISA	Chromogenic ELISA	Chromogenic ELISA
Measurement Principle	For the determination of ADAMTS13 activity and antigen in human plasma. For activity, add sample to microwell coated with anti-ADAMTS13 mAb directed against CUB domain & incubate for 2 hours. Wash and add activity substrate; read at 360/460 nm over 15 min. For antigen, wash and add conjugate with anti-ADAMTS13-HRP, incubate 15 min., add ag substrate. Add stop solution, read at 360/340.	Chromogenic ELISA for the determination of ADAMTS-13 activity in human plasma. Add GST-vWF73 substrate to anti-GST ab coated plate and incubate. Add sample and incubate; ADAMTS13 in samples cleaves vWF73 substrate. Add HRP-conjugated ab directed against cleavage site of vWF substrate; read at 450 nm.	Chromogenic ELISA for the determination of ADAMTS-13 antigen concentration in human plasma. Add samples to microwells coated with anti-ADAMTS13 mAbs directed against CUB domain and incubate. Wash, and add conjugate of anti-ADAMTS13-HRP; incubate. Wash, add TMB substrate, incubate, add stop solution and read at 450 nm.	ELISA for detection of human auto antibodies (IgG) in serum or plasma against ADAMTS-13. Anti-ADAMTS13 auto antibodies preferentially bind to the cysteine-rich spacer region of ADAMTS13. Add sample to microwells coated with r-ADAMTS13. Incubate 1 hour and wash. Add conjugate of anti-human IgG-HRP and incubate 1 hour. Wash, and add TMB substrate solution; incubate 10 min. Add stop solution, read at 405 nm.
Sensitivity	Below 5 %	0.50 %	0.50 %	0.50 %
Assay Time	Incubation Times: Activity: 135 min. Antigen: 75 min. Total = 210 min. (3,5 hours)	3 hours	195 min. (3,25 hours)	130 min. (~ 2,15 hours)
Additional Features	Protocols for BioTek FLx800 TBI, BMG Fluostar available. Calibrators and controls included AND can be purchased separately. POX polyclonal rabbit Antibody can be purchases separately.	No need for any special technique or instrument, just standard ELISA equipment. Calibrators and controls included AND can be purchased separately.	No need for any special technique or instrument, just standard ELISA equipment. Calibrators and controls are included.	Differentiates between anti-ADAMTS-13 antibody caused acute TTP, such TTP in remission and other forms of TTP not accompanied by auto-antibodies. Highly specific and can clearly differentiate between TTP samples and other samples with auto-antibodies (e.g. Lupus) or high IgG concentration. Calibrators and controls included AND can be purchased separately. Calibration of the assay is performed by defining arbitrary units using reference plasma with high anti-ADAMTS13 titer. All standards are calibrated against this plasma.
Sample	Plasma in 3.2 % sodium citrate (can be stored at room temperature for 3 hours at -20°C for 6 months).	Plasma in 3.2 % sodium citrate (can be stored at room temperature for 8 hours - 20°C for 6 months).	Plasma in 3.2% or 3.8% sodium citrate (can be stored at room temperature for 8 hours -70°C for 1 month).	Plasma in 3.2% citrate. After thawing frozen samples, the assay must be performed within 2 hours.