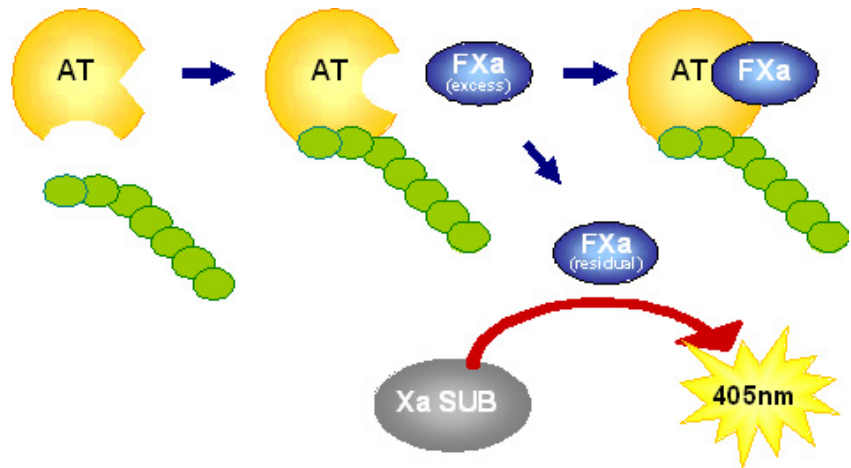


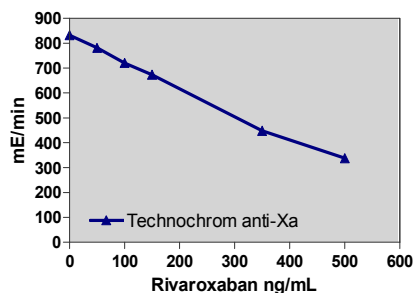
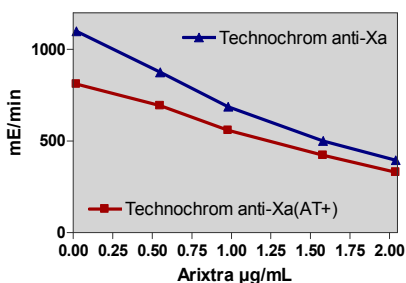
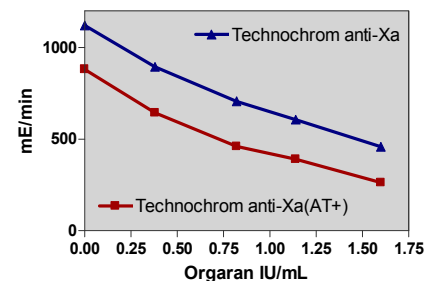
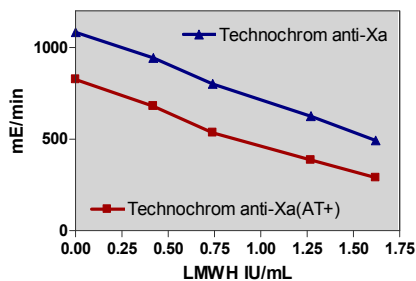
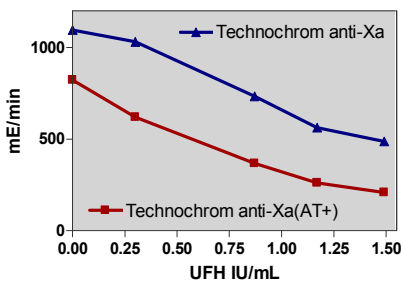
TECHNOCHROM[®] anti-Xa (AT+) ♦ TECHNOCHROM[®] anti-Xa

TECHNOCHROM[®] anti-Xa is a one stage and TECHNOCHROM[®] anti-Xa (AT+) is a two stage chromogenic assay for the determination of heparin, heparin like anticoagulants and Xa Inhibitors in human citrated plasma. The assays are based on the inhibition of activated factor X (FXa) by antithrombin (AT) in the presence of heparin, as measured by a chromogenic FXa substrate. In TECHNOCHROM[®] anti-Xa (AT+) plasma is supplemented with AT to avoid changes due the variation of AT concentration in patient sample.

ASSAY PRINCIPLE

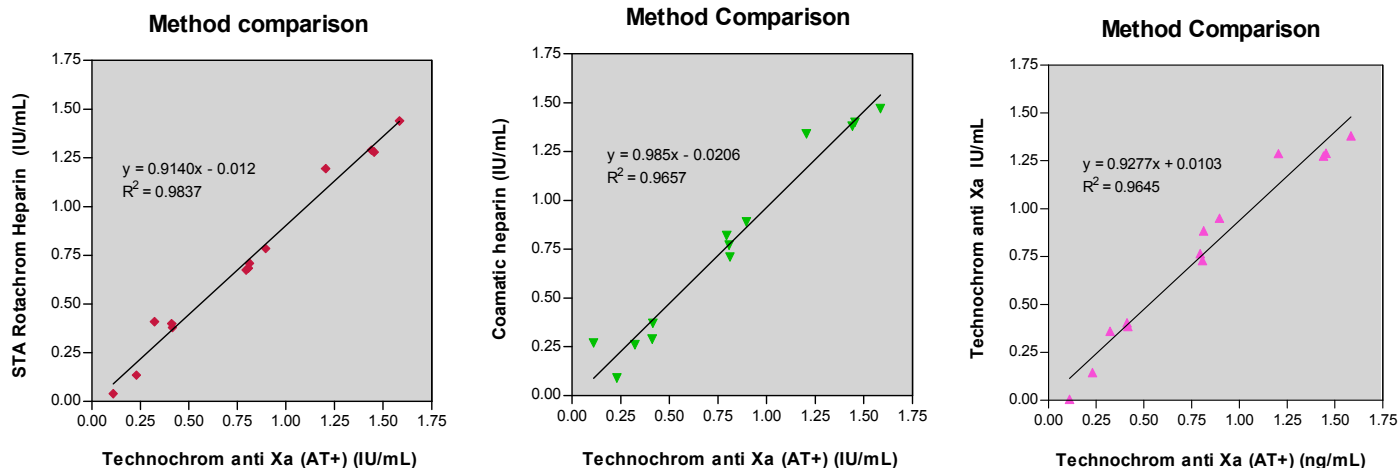


EXAMPLE OF CALIBRATION CURVES



All conventional used anticoagulants (Low molecular weight heparin (LMWH), unfractionated Heparin (UFH), Fondaparinux (Arixtra[®]), Danaparoid (Orgaran[®]), can be tested in both tests. Rivaroxaban being a direct Xa inhibitor is recommended to be tested in the one stage assay.

GOOD CORRELATION WITH COMPETITORS AND ONE-STAGE METHOD



Comparison of LMWH and Orgaran[®] treated patient samples using TECHNOCHROM[®] anti Xa (AT+) (two-stage assay) versus one stage assays (STA Rotachrom Heparin, Coamatic Heparin and TECHNOCHROM[®] anti-Xa). Results demonstrate an excellent correlation between the two-stage TECHNOCHROM[®] anti Xa (AT+) assay and the different one-stage assays.

PERFORMANCE CHARACTERISTICS

		Technochrom anti Xa (AT+)	Technochrom anti-Xa
Linearity	up to 2.4 IU/mL for LMWH		
Interference	Hemoglobin	≤ 330 mg/dL	≤ 330 mg/dL
	Bilirubin	≤ 33 mg/dL	≤ 33 mg/dL
Stability	2...8°C	≥ 4 weeks	≥ 4 weeks
	Onboard	≥ 4 weeks	≥ 4 weeks
Detection Limit	UFH	0.05 IU/mL	0.06 IU/mL
	LMWH	0.05 IU/mL	0.05 IU/mL
	Orgaran [®]	0.05 U/mL	0.08 U/mL
	Arixtra [®]	0.05 µg/mL	0.07 µg/mL
	Rivaroxaban		10 ng/mL
Intra assay variation (n=12)	UFH High	2.8 %	3.2 %
	UFH Low	0.9 %	1.4 %
	LMW High	4.2 %	2.5 %
	LMW Low	1.0 %	2.3 %
Inter assay variation (n=8)	UFH High	4.2 %	1.0 %
	UFH Medium	4.9 %	1.6 %
	UFH Low	1.8 %	1.9 %

Fully automated on Ceveron[®] alpha system, the TECHNOCHROM[®] anti Xa (AT+) and TECHNOCHROM[®] anti Xa offers wide linearity range, reduced interference, extended onboard stability, good precision and high sensitivity. Applicable also on other analysers!

ORDERING INFORMATION

REF 5340230 TECHNOCHROM anti Xa (AT+) Kit 80.T

REF 5340250 TECHNOCHROM anti Xa Kit 80.T