

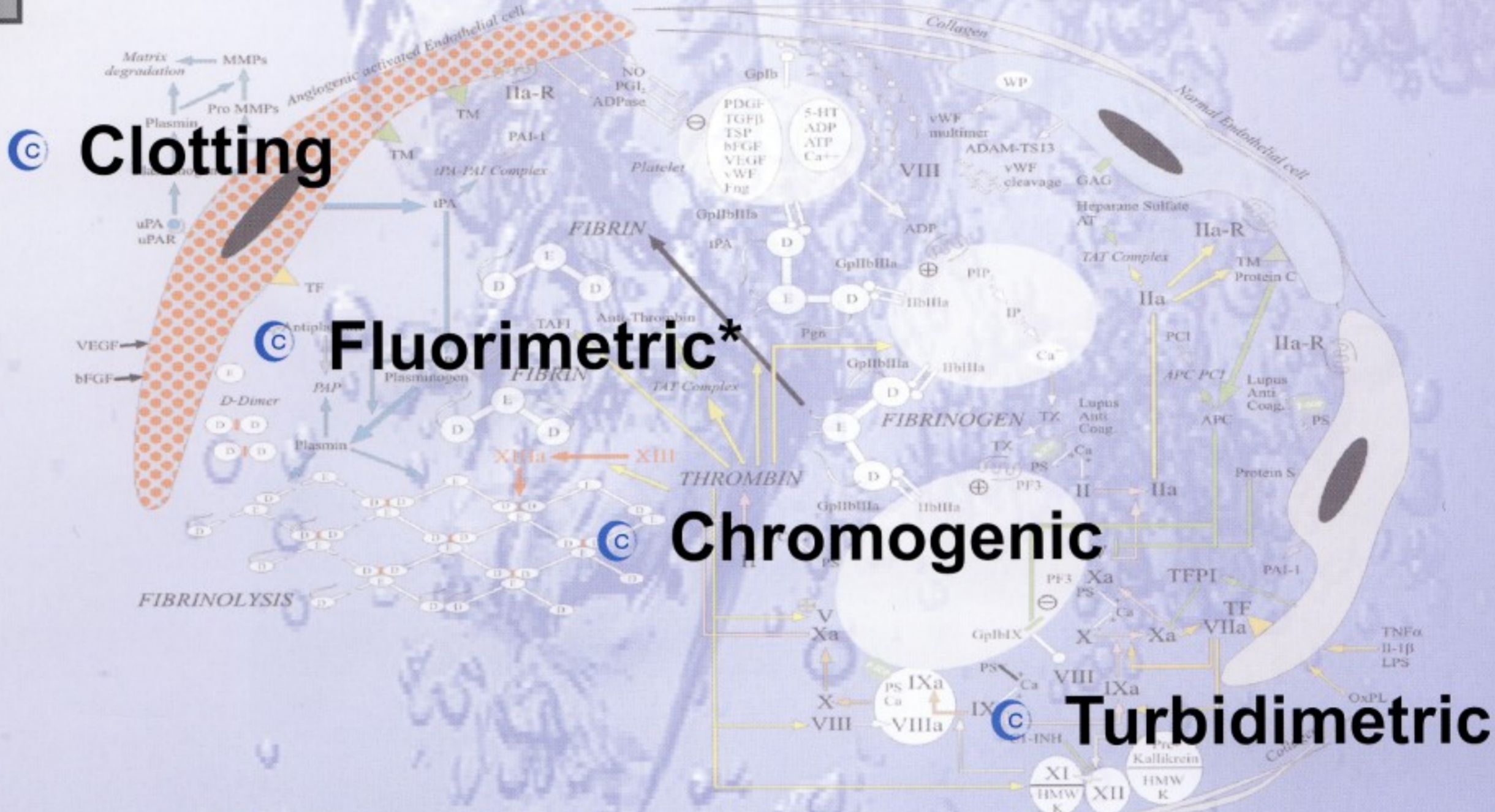
ceveron[®]
alpha



A clear solution for your lab!

COMPACT AND FULLY AUTOMATED COAGULATION ANALYZER

for routine, research and new generation diagnostics!



TECHNOCLONE system reagents for extended spectrum of parameters:

- CLOTING TESTS**
- PT
 - aPTT
 - Fibrinogen
 - Thrombin time
 - Extrinsic coagulation factors
 - Intrinsic coagulation factors
 - Lupus Anticoagulant
 - FVIII Inhibitor
 - Protein C
 - Protein S
 - Calibrators
 - Quality controls

- CHROMOGENIC TESTS**
- FVIII:C
 - C1-Inhibitor
 - Protein C
 - Antithrombin
 - APCR

- FLUORIMETRIC TESTS**
- Thrombin Generation
 - Microparticles

- TURBIDIMETRIC TESTS**
- D-Dimer
 - Lp(a)
 - CRP



*optional

SAMPLE FEATURES

- Integrated barcode identification for samples
- All tube size accepted
- Sample liquid-level sensing
- Automatic dilution and redilution
- Complete traceability of samples



REAGENT FEATURES

- 14 cooled positions
- 4 of them stirred
- 4 positions at RT
- Pre-heated pipetting needle
- reagent liquid-level sensing
- Barcoded TC reagents
- Complete reagent management (name, batch, stability expiry date, volume)

UNIQUENESS

- Fluorescence measurement possible
- Compact format
- Extremely quiet
- Automatic self-check
- Transparent shield
- 2 integrated barcode readers
- 2 pipetting arms



MEASUREMENT FEATURES

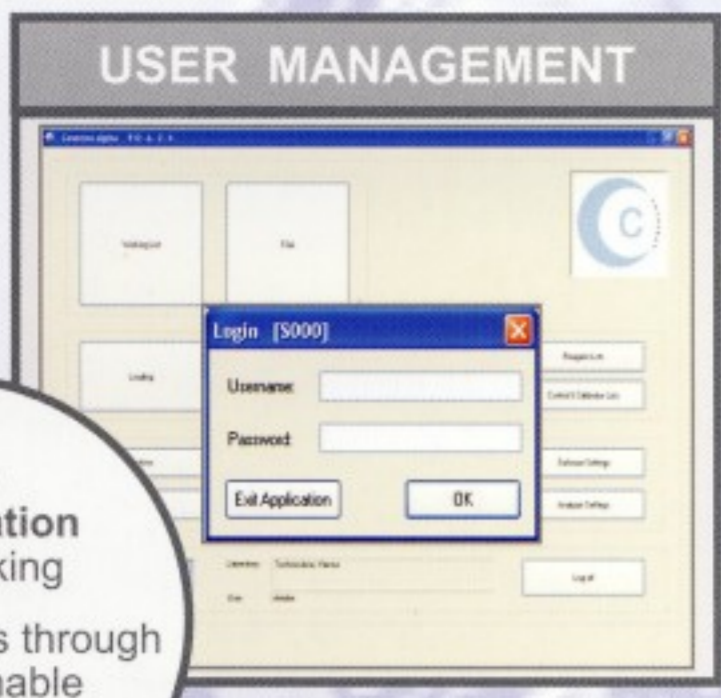
- Simultaneous measurement of clotting, chromogenic and turbidimetric test possible
- 24-hour / 7 day continuous operation
- Fluorescence measurement possible (optional)
- Rerun anytime possible
- Up to 70 PT results / hour



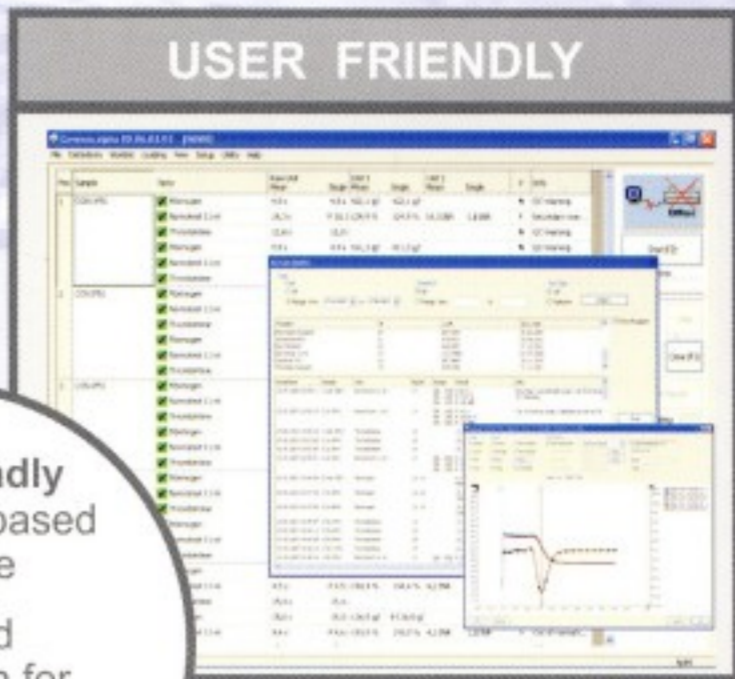
GENERAL FEATURES

- High precision and flexibility
- Fast and easy
- Fully automated Walk-Away-System
- Up to 8 STAT samples
- Almost unlimited amount of programmable applications
- Bi-directional interface to Lab-EDV (LIS)

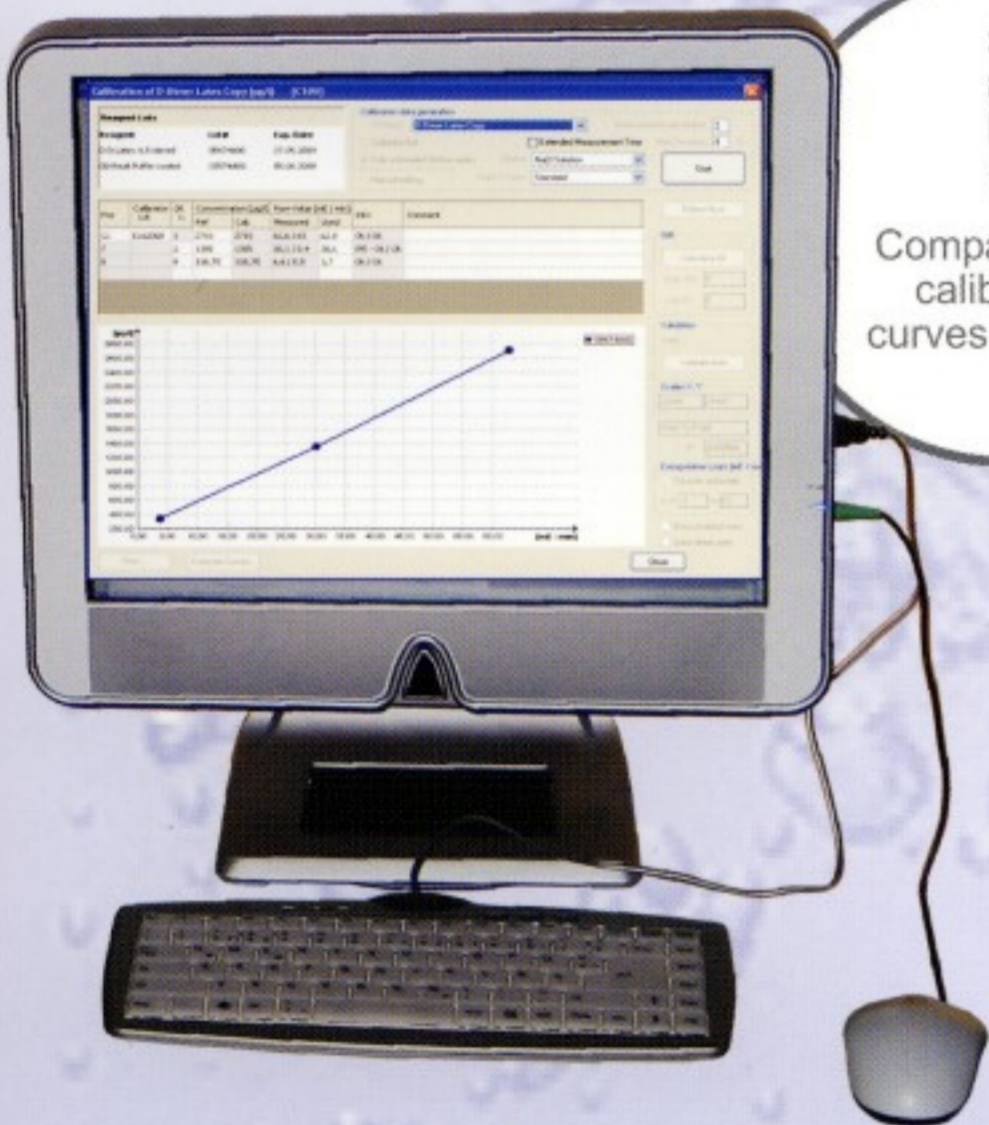




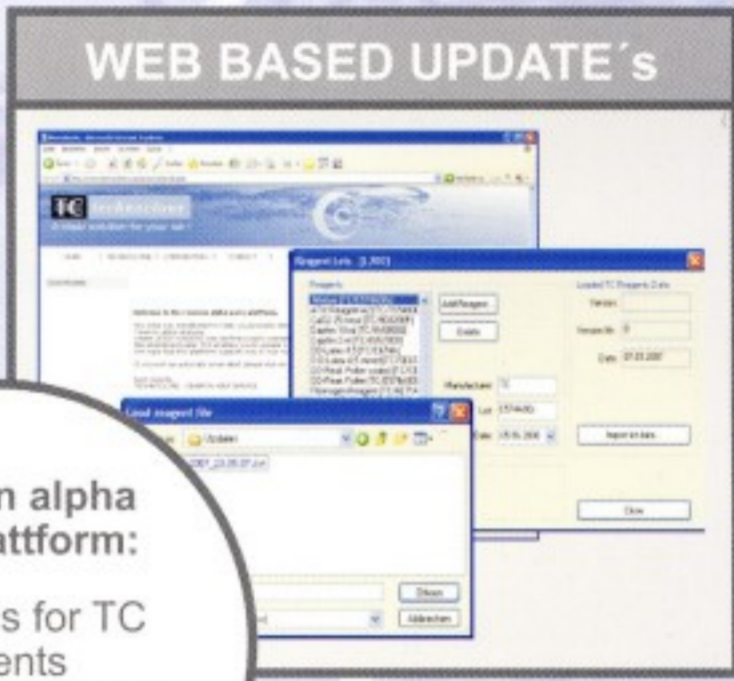
User identification and tracking
Secure access through programmable user levels



User friendly Windows® based software
Detailed information for each patient, test, period and reaction curve



Comparison of calibration curves possible
Comparison of relevant meters



Ceveron alpha user platform:

- Update's for TC reagents
- Software updates
- Automatic alert
- Service check

Complete Quality Control monitoring:

- User defined QC limits and Westgard method
- Statistics and graphics



STAT samples can be performed at any time
Automatic reruns with possibility of extra sample predilution



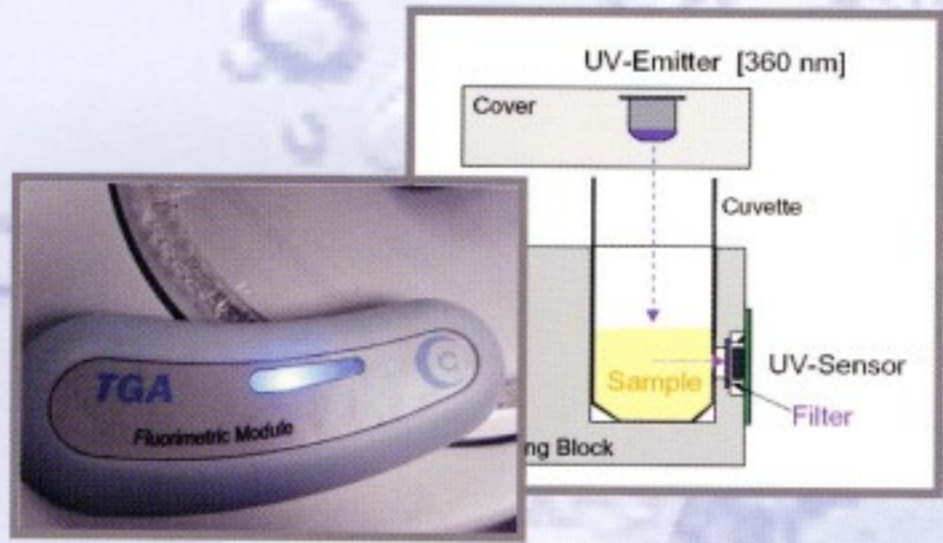
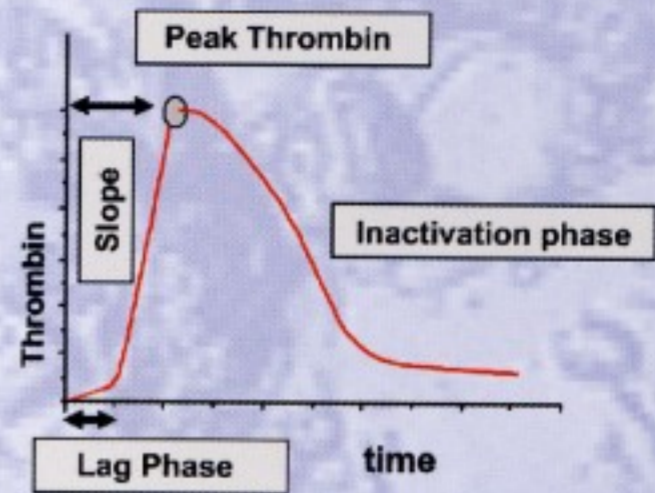
Reagent Data Management:

- User defined test and reagent profiles
- Reagent monitoring of volume and on-board stability.

OPTIONAL FEATURE: Fluorescence measurement for TECHNOTHROMBIN® TGA

TECHNOTHROMBIN® TGA

TECHNOTHROMBIN® TGA is a *thrombin generation assay (TGA)* based on monitoring the formation of thrombin by means of a fluorogenic substrate upon activation of the coagulation cascade by tissue factor.

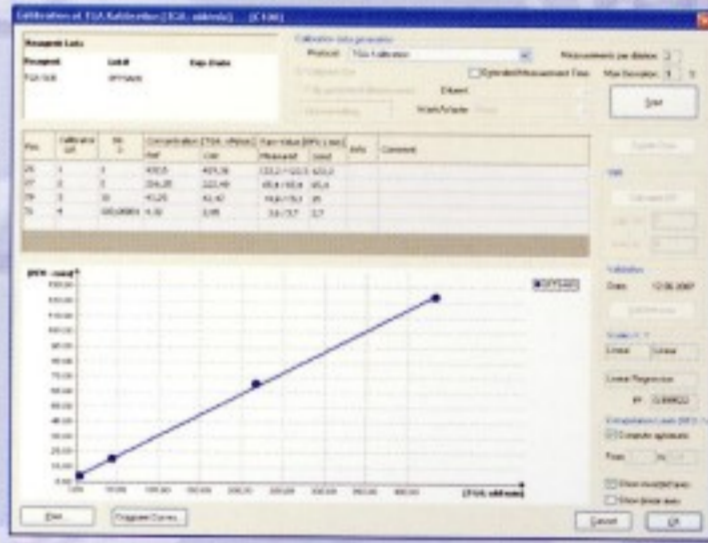


FLUORIMETRIC MODULE

A special adapted TGA fluorimetric module is placed over the cuvette rotor. With an UV emitter (365 nm) placed in the module, **thrombin generation** can be measured.

CALIBRATION CURVE

Fully automated calibration curve is created.



MEASUREMENT MONITORING

TGA monitoring of each sample during measurement possible!
Curves can be overlapped and directly compared.

RESULTS

Results are automatically calculated and displayed in Lag Time („Lag“), Time to Peak („tPeak“), Peak Thrombin („Peak“), Velocity Index („VI“) and Area Under the Curve („AUC“).

The screenshot shows a results table with columns for 'Sample', 'Lag', 'tPeak', 'Peak', 'VI', and 'AUC'. The table contains several rows of data for different samples, with some cells highlighted in green.

Sample	Lag	tPeak	Peak	VI	AUC
Sample 1	1.2	15.5	12000	0.8	150000
Sample 2	1.5	18.0	10000	0.7	120000
Sample 3	1.8	20.5	8000	0.6	90000
Sample 4	2.1	23.0	6000	0.5	60000
Sample 5	2.4	25.5	4000	0.4	30000



SPECIFICATIONS

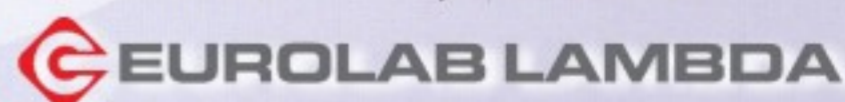
SPECIFICATIONS

Test Menu	Clotting, chromogenic, turbidimetric and fluorogenic assays *
Measuring unit	<ul style="list-style-type: none"> • 4 channels with 4 wavelengths Wavelengths: 405, 540, 630, 740 nm each • 4 channels with fluorogenic wavelength* Emitting wavelength: 365 nm
Samples on board	24 + 12 for Ceveron® sample cups
Reagents on board	14 cooled 4 room temperature 8 buffers and diluents
Cuvettes on board	84 (7x12 racks)
Tests per sample	36
Sample volume	5 - 400 µL
Reagent volume	5 - 400 µL
STAT capability	up to 8
Rerun testing	Yes, configurable
Quality control	User defined QC limits, Westgard rules method, multiple statistics
Patient data storage	unlimited
Operating system	Windows® XP
Dimensions (analyzer)	750 mm x 675 mm x 420 mm (w x d x h)
Weight	40 kg

*optional

Sample barcode reader	
Reagent barcode reader	
Barcoded TC reagents	
Sample level sensor	
Reagent level sensor	
Sample predilution	
Calibration curve predilution	
Reaction curve availability	
Security system	
Continuous operation	
Bi-directional interface	
Host query function	
Events log system	
Automatic repeats	
Automatic re-dilution	

For further information please contact:



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CEV001E.005
06/2007