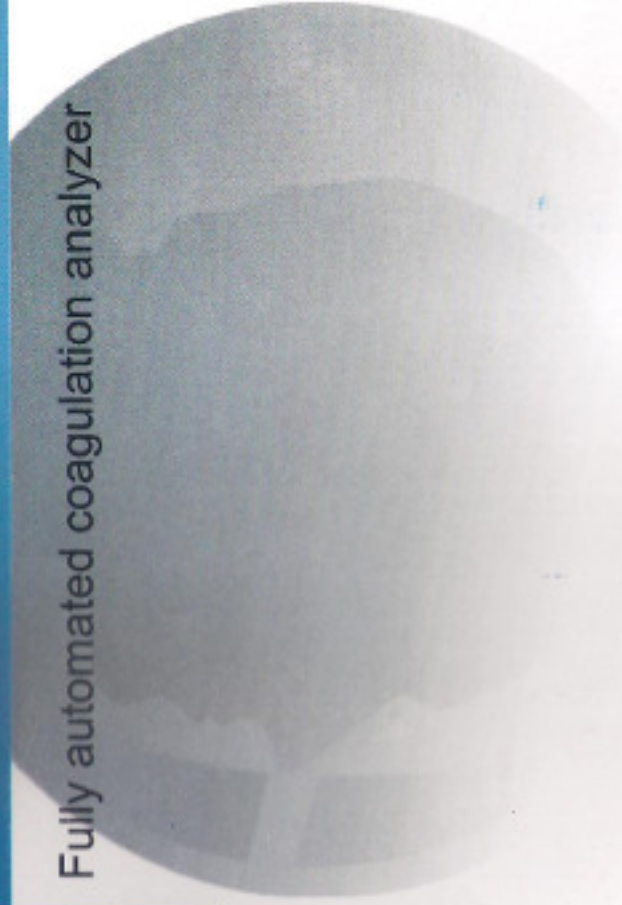




TC  
INTEGRATED  
technology

## Accustar CEVERON<sup>®</sup> alpha

Fully automated coagulation analyzer

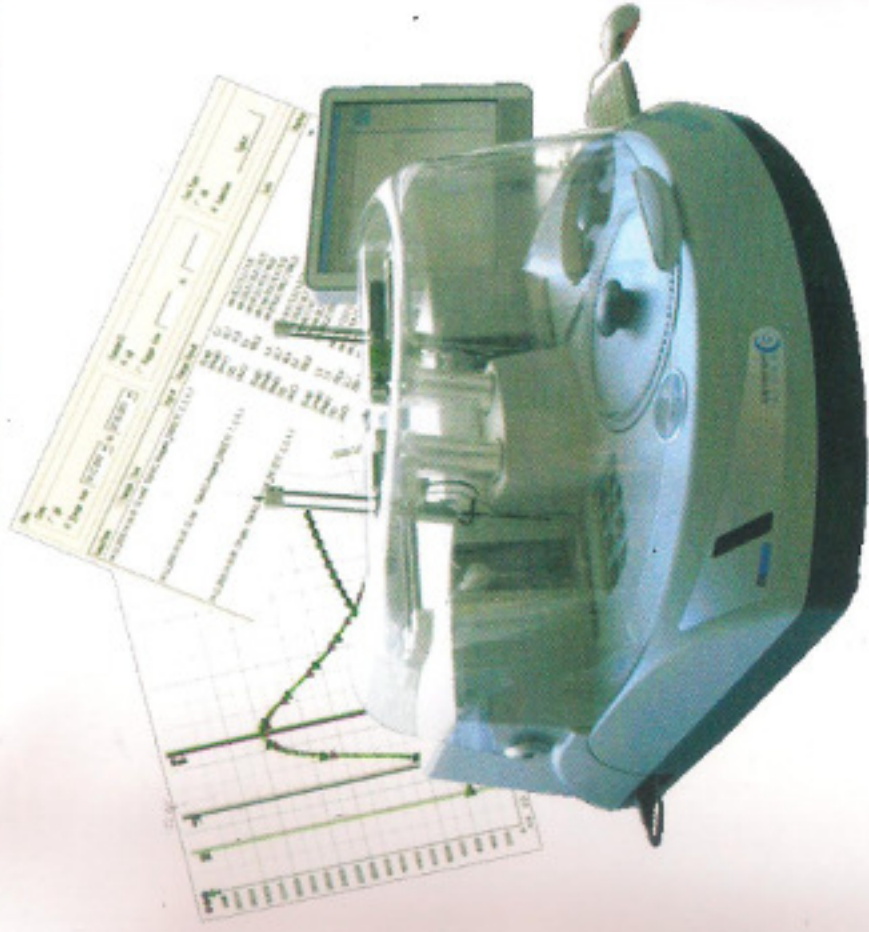


*A clear view into the future!*

# COMPACT AND FULLY AUTOMATED

for routine, research and new generation diagnostics!

-  **Clotting**
-  **Turbidimetric**
-  **Chromogenic**
-  **Fluorimetric \***



**REAGENTS for routine and an extended spectrum of parameters:**

## CLOTTING TESTS

PT  
aPTT  
Fibrinogen  
Thrombin time  
Extrinsic coagulation factors  
Intrinsic coagulation factors  
Lupus Tests  
FVIII Inhibitor  
Protein C  
Protein S  
Factor II, V, VII, VIII, IX, X, XI, XII, XIII  
Def. Plasmas  
Calibrators  
Quality controls

## CHROMOGENIC TESTS

FVIII:C  
C1-Inhibitor  
Protein C  
Antithrombin  
Plasminogen  
Antiplasmin  
anti-Xa  
UFH, LMWH, Orgaran  
Arixtra, Rivaroxaban  
Apixaban

## TURBIDIMETRIC TESTS

D-Dimer  
Lp(a)  
vWF  
Homocystein  
CRP, RF, ASO etc.

## FLUORIMETRIC TESTS

Thrombin Generation

# COAGULATION ANALYZER OVERVIEW



## SAMPLE FEATURES

- Integrated barcode identification for samples
- All tube sizes accepted
- Sample liquid-level sensing
- Automatic dilution and repetition
- 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



## MEASUREMENT FEATURES

- Simultaneous measurement of clotting, chromogenic and turbidimetric test possible
- 24-hour/ 7 day continuous operation
- Fluorescence measurement possible (optional)
- Rerun anytime possible
- Approximately 100 PT results / hour - depending on test protocol



## 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)
- Memory based on Harddisk

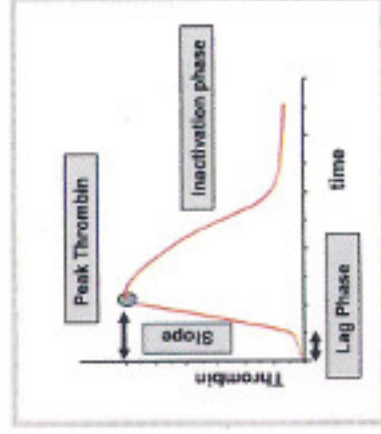


# TGA MODULE\* optional feature

## 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.

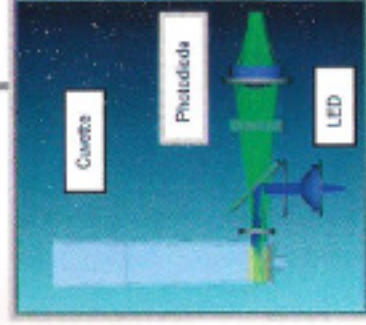


### UNIQUENESS

Measurement can be stopped after Peak Thrombin has been reached. Therefore short assay time in routine setting of <20 min. possible. CVs <5%.

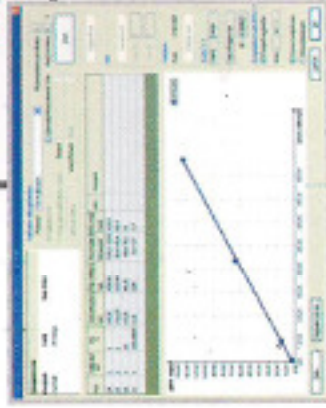
### FLUORIMETRIC MODULE

A special adapted TGA module with 4 channels is placed laterally in the tempered cuvette rotor. With an UV emitter (365nm) placed in the module, thrombin gen-



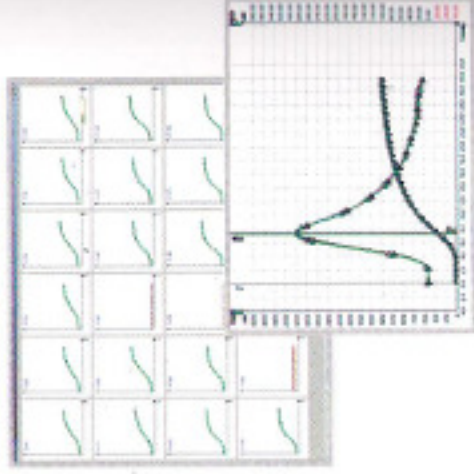
### CALIBRATION CURVE

Fully automated calibration curve is created.



### MEASUREMENT MONITORING

TGA monitoring of each sample during measurement possible!

















### 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

The screenshot shows a software interface with a table of results. The table has columns for 'Lag', 'tPeak', 'Peak', 'VI', and 'Area'. The data is organized into rows, with a summary row at the bottom.

# Accustar CEVERON<sup>®</sup> alpha SPECIFICATIONS

Test Menu	Clotting, chromogenic, turbidimetric and fluorogenic assays*
Measuring unit	<ul style="list-style-type: none"> <li>4 channels with 4 wavelengths</li> <li>Wavelengths: 405, 540, 630, 740 nm each</li> <li>4 channels with fluorogenic wavelength*</li> <li>Emitting wavelength: 365 nm</li> </ul>
Samples on board	24 + 12 for Ceveron <sup>®</sup> 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 <sup>®</sup> XP
Dimensions (assay/can)	750 mm x 675 mm x 420 mm (w x d x h)
Weight	40 kg

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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