

CEVERON® alpha



CEVERON® alpha is the most flexible automated hemostasis & thrombosis research tool on the market.

Clotting

Chromogenic

Turbidimetric

Fluorometric*



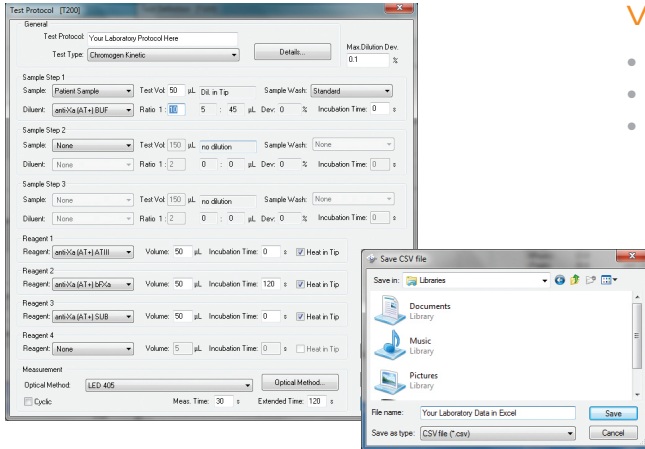
diapharma

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CEVERON® alpha

SOFTWARE FEATURES



VERSATILITY

- Create custom protocols
- Personalized test menu
- Can export results and analyze data as desired

USER-FRIENDLY

- Windows®-based software
- Detailed information for each sample, test, period and reaction curve

CALIBRATION GRAPHS

- With all relevant parameters
- Comparison of calibration curves possible

USER MANAGEMENT

- User identification and tracking
- Secure access through programmable user levels

QUALITY CONTROL

- Complete quality control monitoring
- User-defined QC limits and Westgard method
- Statistics and graphics

WEB-BASED UPDATES

Ceveron alpha user platform:

- Updates for Technoclone reagents
- Software updates
- Automatic alert
- Service check

REAGENT HANDLING

Reagent Data Management:

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

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ANALYZER FEATURES

GENERAL FEATURES

- Open programming
- High precision and flexibility
- Fast and easy
- Fully automated walk-away system
- Many programmable applications
- Bidirectional interface
- Limited instrument maintenance

MEASUREMENT FEATURES

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

REAGENT FEATURES

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

SAMPLE FEATURES

- Integrated barcode identification for samples
- All tube sizes accepted
- Automatic dilution and re-dilution
- Complete traceability of samples

UNIQUENESS

- Fluorescence measurement possible (optional)
- Compact format
- Extremely quiet
- Automatic self-check
- Transparent shield

TGA MODULE FEATURES (OPTIONAL)

Fluorescence measurement for TECHNOTHROMBIN® TGA

- **TECHNOTHROMBIN® TGA** - 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
- **Fluorogenic Module** - a special adapted TGA module with 4 channels is placed laterally in the tempered cuvette rotor, with a UV emitter (360 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
- **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)

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SPECIFICATIONS

Test Menu	Clotting, chromogenic, turbidimetric and fluorogenic assays
Measuring Unit	<ul style="list-style-type: none">• 4 channels with 4 wavelengths Wavelengths: 405, 570, 630, 740 nm• 4 channels with fluorogenic wavelength Excitation wavelength: 360 nm, Emission wavelength: 430 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 (7 x 12 racks)
Tests Per Sample	36
Sample Volume	5 - 400 µL
Reagent Volume	5 - 400 µL
Reflex Testing	Yes, configurable
Sample Data Storage	Unlimited
Dimensions (analyzer)	29.5" x 26.6" x 16.5" (w x d x h) with height 30" when cover open
Weight	40 kg (88 lb)

FEATURES

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

CLOTTING TESTS

PT
aPTT
Fibrinogen
Thrombin time
Extrinsic coagulation factors
Intrinsic coagulation factors
Lupus tests
FVIII inhibitor
Protein C
Protein S
APCR
Direct thrombin inhibitors
Calibrators
Quality controls

FLUOROMETRIC TESTS

Thrombin generation

CHROMOGENIC TESTS

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

TURBIDIMETRIC TESTS

D-Dimer
vWF

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