

Simple, comprehensive solutions for the Hemostasis Laboratory



Routine, specialty and STAT assays on compact, convenient and easy-to-use systems.

ACL Elite Pro systems – Unique combination of process automation, maximizing walk-away time.

ACL Elite systems – Same robust testing capability for the smallest laboratories in the network.



ACL elite[®]
Family

- **Random-access processing** for minimized turnaround time
- **STAT PT and aPTT available** in as little as eight minutes
- **Barcoded reader for reagents** (standard on ACL Elite Pro system)
- **Superior walk-away capacity** for 40 samples and up to 260 cuvettes onboard
- **STAT Interrupt and continuous sample loading** for uninterrupted testing capability
- **Integrated color touchscreen**
- **Intuitive software** streamlines system operation
- **Proven and reliable mechanics** for robust operation with minimal maintenance
- **Comprehensive test menu** makes specialty testing as simple as routine testing

Simplicity in Hemostasis testing

Sample Processing



Accommodates samples of various size and fill volume.

- Removable tray accommodates sample cups and primary tubes of varying sizes and fill volumes
- Onboard barcode reader ensures accurate sample identification
- STAT samples entered at any time in any position on the tray
- One-touch run initiates processing with the press of a button
- User-defined Reflex testing rules allows user to set lab-specific testing protocols for increased flexibility

Reagent Handling



External barcode reader identifies material and checks the lot number and expiration date.

- Accommodates up to 22 reagents
- Reagents can be aspirated directly from the vial
- All reagent positions monitored for volume and onboard stability
- Handheld barcode reader for reagent vial identification (standard on ACL Elite Pro system)

Reliability



Simple mechanics for reliable performance.

- Proven centrifugal technology
- Simple and reliable mechanics
- Minimal maintenance

Efficiency at every step

Dilutors

Unique solid-state fluidic dispensing system for precision and accuracy.

Reagent Area

Refrigerated reagent positions (8 on ACL Elite system, 12 on ACL Elite Pro system).

Wash-R Bottle

Continuous real-time monitoring of liquid level performed through a sensor system, with Wash-R Emulsion.

Sample Tray

Holds up to 40 primary tubes/cups and 10 additional reagents.

Reagent Adapters Storage Area

Keyboard

In sliding drawer below the unit.



Touchscreen

One-touch start. Screen tilts for easy positioning.

USB Flash Drive

Back-up, restore, software upgrades, export functions (*i.e.*, patient data, QC data, reaction curves) via USB drive.

Rotor Stack

Temperature-controlled, stores up to 12 rotors, which can be loaded continuously.

Analysis Area

Two channels: 660 nm for clotting assays; 405 nm for chromogenic and immunological assays.

Rotor Exchange Module (ACL Elite Pro system only)

Cuvette flow managed by transport and robotic arm mechanisms, allowing walk-away capability.

Probe and Sensors

Two needles for sample and reagent aspiration/dispensation with capacitance liquid sensors.

Rotor Waste Container

Operator-safe and easily accessible.



Complete quality management, simplified

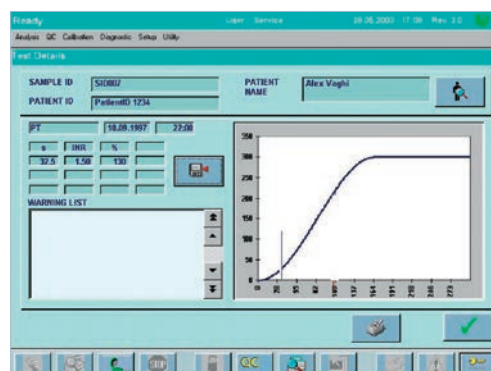
Test Analysis

- Centrifugal analysis provides outstanding precision
- Multiple reading systems optimize efficiency
- Continual monitoring of reagents, rotors, solutions and waste area for efficient lab operations
- Automated rotor transport from preheat station to analysis area (and when rotor is completely used, to waste bin) for increased walk-away capability*

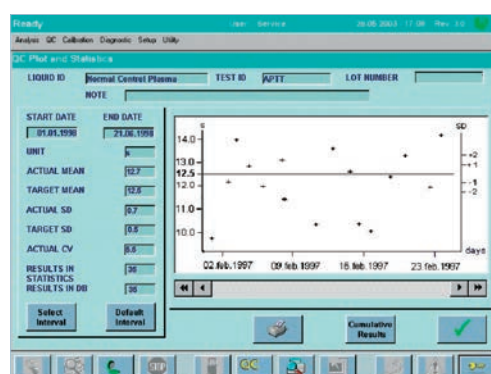
Software Capabilities

- Clot-signature curves generated through superior optics provide clotting and absorbance tracking for all reactions
- User-defined Rerun and Reflex criteria
- Calibrations can be performed in-run with patient samples
- Customizable system security allows user traceability
- USB allows system settings to be exported and saved
- Bi-directional host interface with host query
- Fully automated factor parallelism
- Customizable audible alerts

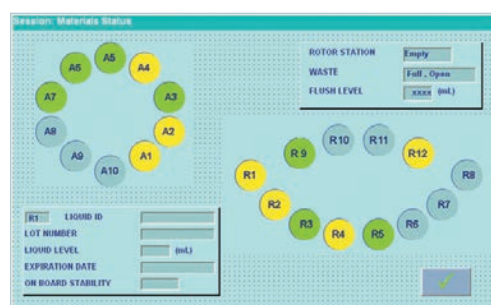
* ACL Elite Pro system only.



Patient results in a single record, including reaction-curve.



Levey-Jennings graphs can be viewed and printed for complete QC monitoring.



Material map provides reagent status.

Comprehensive Assay Menu

HemosIL Assays

ACL Elite systems are optimized to operate with a comprehensive panel of HemosIL assays. Together, they offer a complete disease-state management solution.

General Screening and Anticoagulant Monitoring

- PT RecombiPlasTin 2G
- PT-Fibrinogen-HS Plus
- PT-Fibrinogen
- ◆ APTT SynthASil®
- ◆ APTT-SP
- APTT SynthAFax®
- Fibrinogen-QFA
- Fibrinogen-Clauss
- Thrombin Time (TT)
- Pro-IL-Complex*
- Hepatocomplex*
- ◆ Liquid Anti-Xa

Lupus Anticoagulants

- dRVVT Screen and dRVVT Confirm
- ◆ Silica Clotting Time

Coagulation Factors and VWF

- FII, FV, FVII, FX Deficient Plasma
- FVIII, FIX, FXI, FXII Deficient Plasma
- Chromogenic FVIII
- ◆ von Willebrand Factor Antigen
- von Willebrand Factor Activity

DVT and PE Diagnosis

- D-Dimer

Other Specialty Assays

- Plasminogen
- Plasmin Inhibitor

Thrombophilia Screening

- ◆ Antithrombin
- Protein C (chromogenic and clotting)
- Protein S (functional and antigenic)
- FV Leiden (APCR-V)
- Homocysteine

Calibrators and Controls

- Calibration Plasma
- Normal Control Plasma
- Low Abnormal Control Plasma
- High Abnormal Control Plasma
- Special Test Control Level 1
- Special Test Control Level 2
- ◆ D-Dimer Controls (Low and High)*
- Low Fibrinogen Control

* Not FDA-cleared. Not available in all countries.

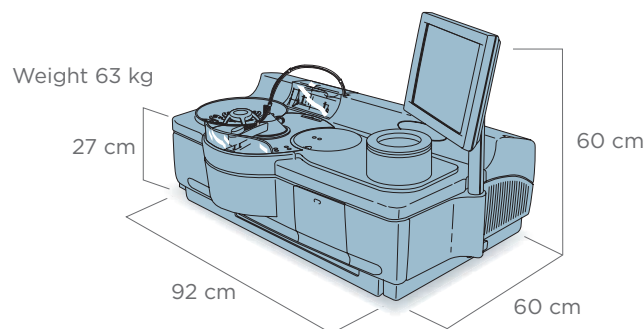
◆ = Liquid, ready-to-use format.



Technical Specifications

Coagulometric Wavelength	660 nm
Chromogenic and Latex Wavelength	405 nm
Immunological Tests	YES
Primary Sample Tube Sizes	13 x 64 mm, 13 x 75 mm, 13 x 100 mm, 11.5 x 64 mm, 11.5 x 92 mm
Samples Onboard	Up to 40
Reagents Onboard (16, 10, 4 mL vials)	ACL Elite: 18 ACL Elite Pro: 22
Cuvettes Onboard	ACL Elite: 20 ACL Elite Pro: 260
Onboard Barcode Reader	YES
Sample Predilution	YES
Automated Curve Predilution	YES
STAT Capability	YES (integrated)
Automated Sample Loading	YES
Automated Rotor Loading	ACL Elite: N/A ACL Elite Pro: YES
Patient Data Storage	30,000 tests (1,000 samples x 30 tests)
Quality Control	50 controls x 20 tests (750 files x 500 results)
Analytical Reference	YES
Reaction Curves Displayed	YES
Rerun and Reflex Tests	60 rules, 3 criteria each, 10 reflex tests/rule

Liquid Sensors (sample and reagent)	YES
Touchscreen (graphic)	YES
Automatic Printing	YES
External Printer	Optional (USB or parallel)
ESC/P2 Emulation Protocol (for external printer)	YES
HP-PCL Emulation Protocol (for external printer)	YES
ASTM Bidirectional Interface	YES
Automatic Downloading (host query)	YES
Automatic Uploading	YES
Mouse	YES
Throughput (tests/hour)	
PT/Fib (PT-based)	Up to 150
APTT	Up to 110
PT/Fib (PT-based)/APTT	Up to 120



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