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.

- 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

- 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

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

Reagent Handling

- 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

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

Simple mechanics for reliable performance.
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.
## 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.

<table>
<thead>
<tr>
<th>General Screening and Anticoagulant Monitoring</th>
<th>Lupus Anticoagulants</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT RecombiPlasTin 2G</td>
<td>dRVVT Screen and dRVVT Confirm</td>
</tr>
<tr>
<td>PT-Fibrinogen-HS Plus</td>
<td>Liquid Anti-Xa</td>
</tr>
<tr>
<td>PT-Fibrinogen</td>
<td></td>
</tr>
<tr>
<td>APTT SynthASil*</td>
<td></td>
</tr>
<tr>
<td>APTT-SP</td>
<td></td>
</tr>
<tr>
<td>APTT SynthAFax*</td>
<td></td>
</tr>
<tr>
<td>Fibrinogen-QFA</td>
<td></td>
</tr>
<tr>
<td>Fibrinogen-Clauss</td>
<td></td>
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<tr>
<td>Thrombin Time (TT)</td>
<td></td>
</tr>
<tr>
<td>Pro-IL-Complex*</td>
<td></td>
</tr>
<tr>
<td>Hepatocomplex*</td>
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</tbody>
</table>

### Coagulation Factors and VWF

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<tr>
<th>Coagulation Factors and VWF</th>
<th>Other Specialty Assays</th>
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<tbody>
<tr>
<td>FII, FV, FVII, FX Deficient Plasma</td>
<td>Plasminogen</td>
</tr>
<tr>
<td>FXIII, FIX, FXI, FXII Deficient Plasma</td>
<td>Plasmin Inhibitor</td>
</tr>
<tr>
<td>Chromogenic FVIII</td>
<td></td>
</tr>
<tr>
<td>von Willebrand Factor Antigen</td>
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<tr>
<td>von Willebrand Factor Activity</td>
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</tbody>
</table>

### Thrombophilia Screening

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<tbody>
<tr>
<td>Antithrombin</td>
</tr>
<tr>
<td>Protein C (chromogenic and clotting)</td>
</tr>
<tr>
<td>Protein S (functional and antigenic)</td>
</tr>
<tr>
<td>FV Leiden (APCR-V)</td>
</tr>
<tr>
<td>Homocysteine</td>
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</tbody>
</table>

### DVT and PE Diagnosis

<table>
<thead>
<tr>
<th>DVT and PE Diagnosis</th>
<th>Calibrators and Controls</th>
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</thead>
<tbody>
<tr>
<td>D-Dimer</td>
<td></td>
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</table>

### Other Specialty Assays

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<tr>
<td>Liquid, ready-to-use format.</td>
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### Calibrators and Controls

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<tbody>
<tr>
<td>Calibration Plasma</td>
</tr>
<tr>
<td>Normal Control Plasma</td>
</tr>
<tr>
<td>Low Abnormal Control Plasma</td>
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<tr>
<td>High Abnormal Control Plasma</td>
</tr>
<tr>
<td>Special Test Control Level 1</td>
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<tr>
<td>Special Test Control Level 2</td>
</tr>
<tr>
<td>Liquid, ready-to-use format.</td>
</tr>
</tbody>
</table>

* 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** (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  

### Liquid Sensors

- Sample and reagent

### Touchscreen

- Graphic

### 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

- PT/Fib (PT-based)
  - Up to 150

- APTT
  - Up to 110

- PT/Fib (PT-based)/APTT
  - Up to 120

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