



SIMPLE, COMPREHENSIVE SOLUTIONS

for the Hemostasis Laboratory.





Simple, Comprehensive Solutions for the Hemostasis Laboratory

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

ACL ELITE Systems

ACL ELITE® PRO – Offers a unique combination of process automation for the medium-volume laboratory.

ACL ELITE – Simplified, offering the same testing capability for the lower volume, less demanding laboratory.

- Random Access Processing for minimized turnaround time
- STAT PT and APTT available in as little as eight minutes
- Barcoded reagents (standard on ACL ELITE PRO)
- Superior walk-away capacity for 40 samples and up to 260 onboard cuvettes
- STAT Interrupt and Continuous sample loading for uninterrupted testing capability
- Large integrated color touchscreen
- Intuitive, easy-to-use “Windows®-like” software streamlines system operation
- Minimal mechanical components ensures robustness in design and requires minimal maintenance
- Comprehensive test menu makes specialty testing as simple as routine testing





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

Flexibility

- Multiple operation modes allow a lab to run the system for maximum efficiency
- 300-test protocol capacity, including 100 customizable by the user
- User-defined reflex testing rules
- User-defined test profiles allow for efficient usage of all reagent positions
- Multiple calibration modes including calibration during sample analysis

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 can be entered at any time in any position on the tray
- One-touch run starts processing with the press of a button

Reagent Handling

- The ACL ELITE PRO accommodates 22 reagents; the ACL ELITE holds 18
- Reagents can be aspirated directly from the vial
- All reagent positions are monitored for volume and onboard stability
- “Profiling” tests allow a large number of test combinations to be processed within the same analytical session
- Handheld barcode reader for reagent vial identification (standard on ACL ELITE PRO)



Simple, Comprehensive Solutions for the Hemostasis Laboratory

Dilutors

Precision and accuracy obtained with unique solid-state, fluidic dispensing system.

Wash-R Bottle

One-liter Wash-Reference emulsion; continuous real-time monitoring of liquid level performed through a sensor system.

Sample Tray

Expanded capability holds up to 40 primary tubes/cups and 10 additional reagents.

Reagent Area

Eight positions dedicated to reagents on ACL ELITE; four additional refrigerated positions available on ACL ELITE PRO.

Disk Drive

Computer-controlled backup, restore, software upgrades, export functions (i.e., patient data, QC data, reaction curves).





LCD and Touchscreen

Unbeatable ease of use: Just one touch starts the analyzer. Tilts for easy positioning.



Rotor Stack

Temperature-controlled and stores up to 12 rotors; rotors can be loaded continuously.

Analysis Area

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

Rotor Movements and Mechanics

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.

Keyboard

In a drawer below the unit.

Adapters Storage Area

For storage of reagent adapters.

Simple, Comprehensive Solutions for the Hemostasis Laboratory

Test Analysis

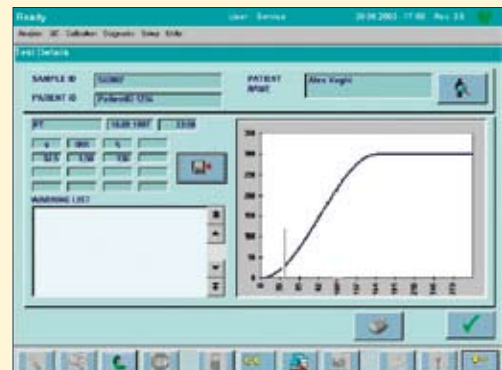
- Centrifugal analysis providing outstanding precision
- Multiple reading systems that optimize analysis efficiency
- Waste area and preheated rotor storage are continually monitored and allow for emptying and refilling at any time, even if the system is processing samples
- Automated rotor transport from preheat station to analysis area, and then to waste bin when the rotor is completely used, allows increased walk-away capability

Software Capabilities

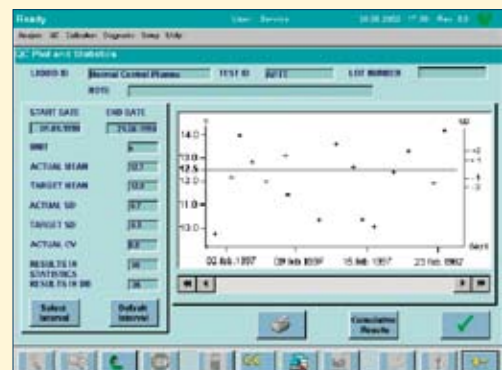
- Clot signature curves generated through superior optics provide clotting and absorbance tracking for all reactions
- User-defined Rerun and Reflex criteria
- Calibrations can be performed in run along with patient samples
- Customizable system security allows tracking of user actions by lab management
- Disk drive allows system settings to be exported and saved, along with patient and QC data
- Bidirectional host interface with host query
- Fully automated Factor Parallelism
- Customizable audible alerts

HemosIL® Reagents

- Up to 29 applications are available on the ACL ELITE and ACL ELITE PRO
- Optimized for IL systems
- Exceptional range of sensitivity allows for consistent and superior performances
- Highest standard of manufacturing and quality control



Detailed information is available for each patient in a single record, including reaction-curve.



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



Material map provides a graphical display of reagent status.



Other Members of the ACL Family

Comprehensive Test Menu

Routine

- PT RecombiPlasTin
- PT-Fibrinogen Recombinant
- PT-Fibrinogen-HS Plus
- PT-Fibrinogen-HS
- PT-Fibrinogen
- APTT SynthASil®
- APTT-SP
- APTT SynthAFax®
- APTT Lyophilized Silica*
- Fibrinogen-Claus
- Thrombin Time (TT)
- Pro-IL-Complex*
- Hepatocomplex*

DVT and PE Diagnosis

- D-Dimer

Thrombophilia Screening

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

Lupus Anticoagulants

- LAC Screen and LAC Confirm
- Silica Clotting Time

Coagulation Factors and VWF

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

Other Specialty Assays

- Heparin
- Plasminogen
- Plasmin Inhibitor

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 available in all countries.

ACL TOP® 700

For the large-volume laboratory, provides clotting, chromogenic and immunological assays for routine and specialty testing; CTS model for closed-tube sampling or LAS model, compatible with Laboratory Automation Track Systems, offer added flexibility



ACL TOP 500 CTS

For the medium-to-large-volume laboratory, provides clotting, chromogenic and immunological assays for routine and specialty testing with CTS for closed-tube sampling



ACL AcuStar™

Brings full automation to specialty assays, with chemiluminescent technology, designed specifically for the hemostasis lab



ACL Advance

For the medium-volume laboratory, provides clotting, chromogenic and immunological assays for routine and specialty testing



ACL ELITE®/ACL ELITE PRO

For the medium-to-low-volume laboratory, provides clotting, chromogenic and immunological assays for routine and specialty testing



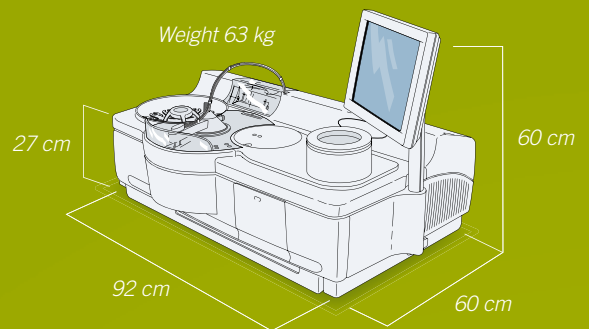
ACL Classic Systems

Easy-to-use, classic line of compact instruments provides clotting, chromogenic tests and immunological assays for routine and specialty testing. Includes: ACL 7000, ACL 1000*, ACL 200



ACL ELITE/ACL ELITE PRO Technical Specifications

Coagulometric Wavelength	660 nm	Liquid (sample and reagent) sensors	YES
Chromogenic and Latex Wavelength	405 nm	Touchscreen (graphic)	YES
Immunological Tests	YES	Automatic Printing	YES
Samples Onboard (13 x 64 mm, 13 x 75 mm, 13 x 100 mm, 11.5 x 64 mm, 11.5 x 92 mm primary tubes types and cups)	Up to 40	External Printer	Optional (USB or parallel)
Reagents Onboard (16, 10, 4 mL vials type)	18 ACL ELITE 22 ACL ELITE PRO	ESC/P2 Emulation Protocol for the External Printer	YES
Cuvettes Onboard	20 ACL ELITE 260 ACL ELITE PRO	HP-PCL Emulation Protocol for the External Printer	YES
Onboard Barcode Reader	YES	ASTM Bidirectional Interface	YES
Sample Predilution	YES	Automatic Downloading (host query)	YES
Automated Curve Predilution	YES	Automatic Uploading	YES
STAT Capability	YES (integrated)	Mouse	YES
Automated Sample Loading	YES	Throughput/Hour	
Automated Rotor Loading	N/A ACL ELITE YES ACL ELITE PRO	PT/Fib (PT based)	Up to 175/hour
Patient Data Storage	30,000 tests – 1,000 samples by 30 tests	APTT	Up to 125/hour
Quality Control	50 Controls by 20 tests each (750 files by 500 results each)	PT/Fib (PT based)/APTT	Up to 70 samples/hour
Analytical Reference	YES		
Reaction Curves Displayed	YES		
Rerun and Reflex Tests	60 rules, 3 criteria each, 10 reflex tests per rule		



At IL, we are passionate about bringing the most innovative solutions to hemostasis testing. Through our ACL products, we offer a variety of the highest quality instruments, all complemented by a full panel of HemosIL assays and supported by IL's worldwide technical team. But more than just a broad hemostasis testing offering, we give you our commitment to continuous enhancements through constant innovation.

Werfen Group

Worldwide Locations

Corporate Headquarters

Barcelona, Spain
Tel. +34-93-4010101
www.werfengroup.com

Instrumentation Laboratory Headquarters

Bedford, MA
Tel. +1-781-861-0710
www.ilww.com



US, Canada, Latin America and South America

IL USA
Bedford, MA
Tel. +1-781-861-0710
www.ilus.com

IL Brazil
Santana de Parnaiba, SP
Tel. +55-11-4154-3337

IL Canada
Richmond Hill, ON
Tel. +1-800-552-2025
x6115

IL Mexico
Col. Granada
Tel. +52-55-5262-1760
www.il-mexico.com.mx

Izasa Uruguay
Montevideo
Tel. +59-82-4818133

Pacific

Werfen Medical China
Shanghai
Tel. +86-21-32100745

Beijing
Tel. +86-10-59006230

Werfen Hong Kong
Hong Kong
Tel. +852-27927773

IL India
Janakpuri, New Delhi
Tel. +91-11-25510137

IL Japan
Minato-ku, Tokyo
Tel. +81-3-3437-6350

Werfen Medical Korea
Seoul
Tel. +82-2-571-9246
www.werfenmedical.com

Europe, Middle East, Africa

Werfen Austria
Vienna
Tel. +43-1-2565800-0

IL Belgium
Zaventem
Tel. +32-2-7252052
www.il-be.com

Comesa Czech
Prague
Tel. +420-2-7816047

IL France
Paris
Tel. +33-1-53338600
www.il-france.fr

IL Germany
Munich
Tel. +49-89-909070
www.il-ger.de

IL The Netherlands
Breda
Tel. +31(0)-76-5480100
www.il-nl.com

Comesa Hungary
Budapest
Tel. +36-1-4392910
or 11

IL Italy
Milan
Tel. +39-02-25221
www.il-italia.it

IL Lithuania
Kaunas
Tel. +370-37-313157

Comesa Poland
Warsaw
Tel. +48-22-3361800

Izasa Portugal
Carnaxide
Tel. +351-21-4247300
www.izasa.com

IL Russia
Moscow
Tel. +7-495-9823723

Izasa Spain
Barcelona
Tel. +34-93-4010101
www.izasa.com

IL UK
Warrington, Cheshire
Tel. +44-1925-81-0141
www.il-uk.com

Instrumentation Laboratory, Comesa and Izasa are companies of Werfen Group.

For more information, contact your local IL sales representative or distributor.

The Instrumentation Laboratory logo, HemosIL, ACL, ACL TOP, ACL AcuStar and ACL ELITE are trademarks of Instrumentation Laboratory Company and/or one of its subsidiaries or parent companies, and may be registered in the United States Patent and Trademark Office and in other jurisdictions. All other product names, company names, marks, logos, and symbols are trademarks of their respective owners.

©2009 Instrumentation Laboratory. All rights reserved.

