

Specifications

Test menu		Clotting, chromogenic and immunological assays
System configurations	Base	Open tube sampling
	CTS*	Closed tube sampling (cap-piercing)
	LAS*	Laboratory Automation System compatibility (off-board sampling)
Continuous sample loading		YES
Continuous reagent loading		YES
Continuous operation		YES
Samples transport system		Racks
Samples on board		120 (10 samples/rack)
Reagents transport system		Racks
Reagents on board		60 (44 refrigerated + 16 room temperature)
Reagents barcode reader		YES (integrated)
Barcoded reagents		YES (barcode includes lot, exp. date and vial size)
Cuvettes on board		800
Applications on board		500
User programmable applications		250
Tests per sample		30
Throughput	PT tests/hour	Up to 360 (360 samples/hour)
	APTT tests/hour	Up to 320 (320 samples/hour)
	PT&APTT tests/hour	Up to 330 (165 samples/hour)
Sample predilution		YES
Calibration curve predilution		YES
Factor parallelism		YES
STAT capability		YES (at any time in any position)
Rerun testing		YES (configurable)
Reflex testing		YES (configurable)
Reaction curves display		YES
Quality Control program		YES (with configurable multi-rules)
Results autovalidation		YES
Patient samples results database		20,000 samples
Security system		YES (configurable)
Events log system		YES
Bi-directional interface		YES
Host query function		YES
PC		External
Operating system		Windows® 2000
Monitor		17" color LCD touch-screen (external)
Keyboard		YES (external)
Mouse		YES (external)
Printer		YES (external)
User interface		Windows based, powerful, easy to use
Dimensions (analyzer)	w x d x h	151 cm x 76 cm x 73 cm
Weight (analyzer)		150 Kg

A History of Innovation

IL has been at the forefront of discovery in diagnostics for over 40 years. From critical care testing sites to high-volume laboratories, you can count on IL for advanced technology and superior performance.

Discover the TOP Performer in High Throughput Testing

To order or for more information, contact your local IL representative or visit us at www.ilww.com.

ACL, TOP and HemosIL are trademarks of Instrumentation Laboratory. Windows is a registered trademark of Microsoft Corporation. ©2004 Instrumentation Laboratory. All rights reserved.

* Under development.

TOXXX.SS 1/04

Worldwide Locations

**Instrumentation Laboratory
Corporate Headquarters**
Barcelona, Spain
Telephone: 34-93-4010101
www.ilww.com

**USA, Canada,
Latin America Headquarters**
Lexington, MA, U.S.A.
Telephone: 1-781-861-0710
www.ilus.com

Mexico
Colonia Juarez
Telephone: 52-5-525-8639

USA
Lexington, MA
Telephone: 1-781-861-0710
www.ilus.com

Pacific Headquarters
Minato-ku, Tokyo, Japan
Telephone: 81-3-3437-6350

Hong Kong
Hong Kong
Telephone: 852-27927773

Japan
Minato-ku, Tokyo
Telephone: 81-3-3437-6350

**Europe, Middle East,
Africa Headquarters**
Milan, Italy
Telephone: 39-02-25221
www.il-italia.it

Austria
Wien
Telephone: 43-1-2565800-0

Belgium
Zaventem
Telephone: 32-2-7252052
www.il-nl.com

Czech
Praha
Telephone: 420-2-7816047

France
Paris
Telephone: 33-1-53338600
www.il-france.fr

Germany
Kirchheim bei München
Telephone: 49-89-909070
www.il-ger.de

Hungary
Budapest
Telephone: 36-1-4527810

Italy
Milan
Telephone: 39-02-25221
www.il-italia.it

Lithuania
Kaunas
Telephone: 370-7-313157

Poland
Warszawa
Telephone: 48-22-3361800

The Netherlands
Breda
Telephone: 31-76-5480100
www.il-nl.com

United Kingdom
Warrington, Cheshire, England
Telephone: 44-1925-81-0141

NEW!

MORE CAPABILITIES, MORE EFFICIENCIES

[exactly what I need]



MAXIMUM SPEED, SIMPLICITY AND INTELLIGENCE IN ONE HEMOSTASIS SYSTEM [that's testing-process automation]

Introducing the new standard in hemostasis testing—the ACL™ TOP™ System, from Instrumentation Laboratory. ACL TOP consolidates testing capabilities in an entirely new way to deliver *Testing-Process Automation*, a unique advancement to increase your productivity while reducing your workload.



ROUTINE SCREENING

ORAL ANTICOAGULANT MONITORING

INTRINSIC AND EXTRINSIC
PATHWAY DEFICIENCIES

INHERITED AND ACQUIRED
THROMBOPHILIA

CARDIOVASCULAR RISK

LUPUS ANTICOAGULANTS

HEMOPHILIA AND VWF DISEASE

VTE AND DIC

†Certain reagent assay applications are under development.

Consolidated and Complete

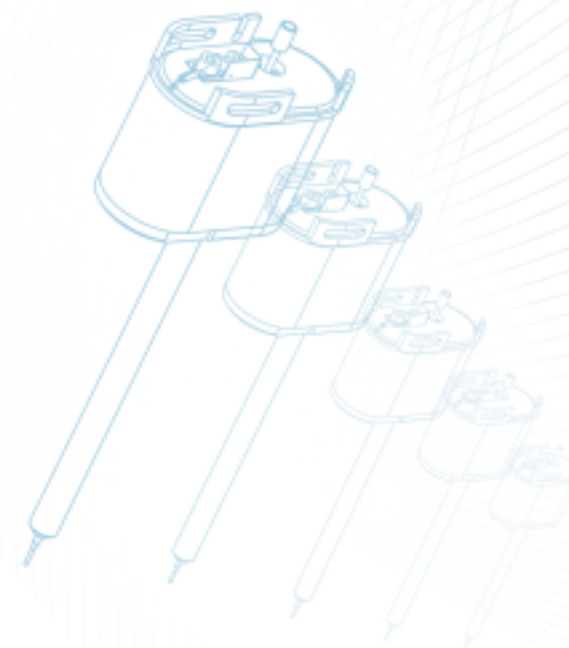
- Broad test menu, gives you a complete solution for both routine and specialty assays†
- High throughput routine assays
- Specialty assays as simple as routine
- Clotting, chromogenic and immunoassays

Fast and Easy

- Advanced automation features
- Up to 360 PT results/hour
- State-of-the-art software with Windows® interface and touch-screen
- Comprehensive, intuitive operation
- Minimal maintenance

Safe and Reliable

- Transparent locked covers for samples and reagents
- Password-controlled user access
- Automated logging of significant events



Expandable and Versatile

- Base configuration
- Closed Tube Sampling configuration with cap-piercing module*
- Laboratory Automation System configuration with off-board sampling for the simplest and most efficient integration in the lab automation environment*

Continuous and Convenient

- 24-hour/7-day continuous operation
- Continuous loading and unloading of samples, reagents and reaction cuvettes
- Real-time information about status of samples, supplies and system



consolidation

* Under development.

HIGH PERFORMANCE FOR THE HIGH-VOLUME LAB

[it works harder, does more]

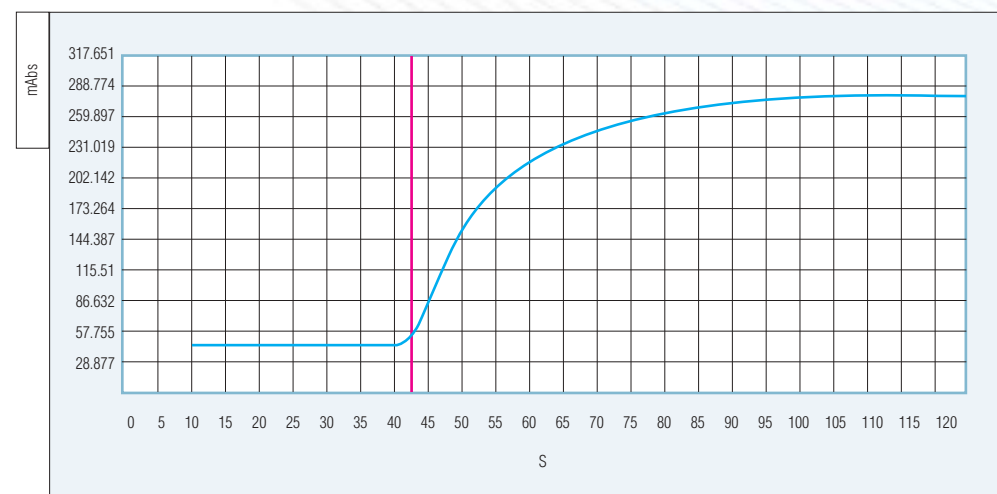
ACL TOP was designed to meet the increasing demands of the high-volume testing lab. Highly automated for high throughput screening, ACL TOP works harder and smarter so you can focus on analysis.

Optimal Sample Management

- Parallel loading of racks—no sample queuing
- Continuous loading
- 120 samples on board
- Simultaneous loading of different sample containers
- Barcode identification
- Sample presence detection, for non-barcode samples
- Automatic sample predilution
- Factor parallelism testing with automatic multiple dilutions

Automatic Checks and Validation

- Sample liquid-level sensing
- Automatic rerun testing with possibility of extra sample predilution for enhanced test linearity
- Automatic reflex testing
- Automatic results validation



Clot Signature/Reaction Curve Display Available for All Assays

Optimal Reagent Management

- Parallel loading of racks for reagents, calibrators, controls, deficient plasma and any required material
- Continuous loading
- Up to 60 materials on board
- Barcoded vials for random loading and automatic identification, including vial size, expiration date and lot
- Vial presence detection for non-barcode materials
- Handling of multiple vials of the same material

Automatic Sensing and Tracking

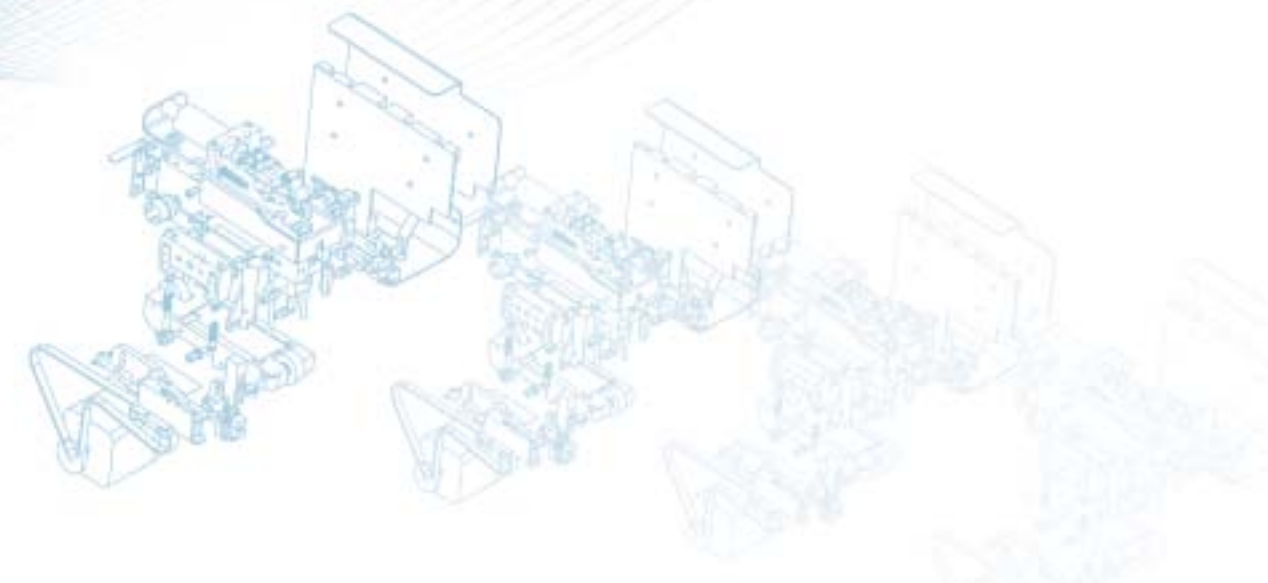
- Reagent liquid-level sensing
- Volume tracking
- On-board stability tracking
- Expiration date tracking
- Calibration stability tracking

Real-Time STAT Capability

- STAT samples loaded on any rack, in any position, at any time
- System ready to run 24 hours/day
- PT result in less than 3 minutes when processing one sample from idle system status



productivity



CONTINUOUS QC, UNLIMITED FLEXIBILITY

[takes care of itself,
prepares me for the future]

With ACL TOP, QC and maintenance won't hamper your productivity.

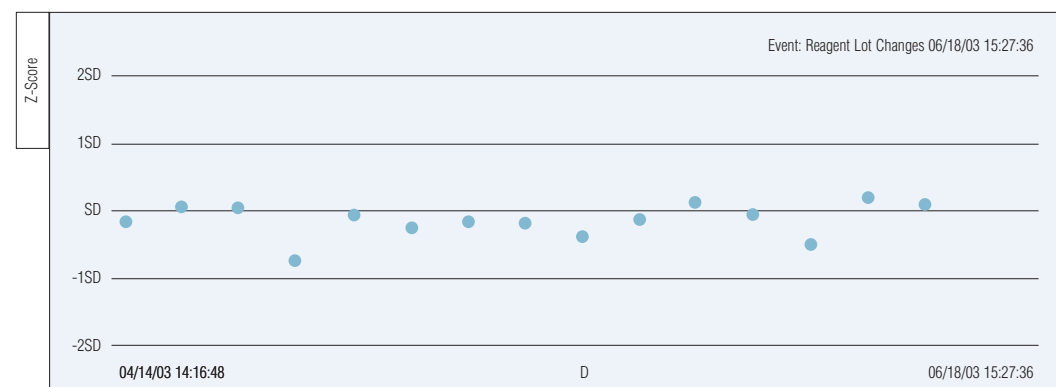
That's because ACL TOP takes care of it all—simply, automatically and intuitively. The system's innovative software was designed to not only perform these functions as needed, but to work proactively to ensure optimal operation at all times. ACL TOP is also designed to deliver superior performance as your lab grows and changes. Choose from a variety of configurations to meet your evolving needs.

Intelligent Quality Control

- Westgard multi-rules
- Automatic QC
- Statistics and graphics

Minimal Maintenance

- 5 minutes of daily maintenance, ordered by the user and performed by the system
- Fully automatic maintenance for all other daily activities



Levey-Jennings Graphs for QC Monitoring

Expands to Your Needs

- Open and flexible system
- Complete menu of HemosIL™ parameters
- 250 open parameters, completely customizable

ACL TOP

- Base configuration for open tube samples

ACL TOP CTS*

- Cap-piercing module for Closed Tube Sampling (CTS)
- Limited maintenance
- Reliable

ACL TOP LAS*

- Compatible with Laboratory Automation System (LAS)
- Off-board sampling: the sample stays on the LAS track
- Simplest, most cost-effective type of connection

The System That's Always Working for You

ACL TOP was developed with your needs in mind. We listened to your feedback and developed state-of-the-art technology that delivers what you asked for and more. With decades of experience in designing and manufacturing analyzers, IL is at the forefront of diagnostic innovation. Count on us to continue to deliver new ways to enhance your productivity and advance your profession.



intelligence