

ACLTOP^{CTS} 500
HEMOSTASIS TESTING SYSTEM

**SUPERIOR
FUNCTIONALITY**
at the right size for your lab.





Peak Performance: One Detail at a Time

Introducing the ACL TOP 500 CTS – a medium-to high-volume testing system with the flexibility, speed and intelligence of the largest automated hemostasis analyzers.

The **ACL TOP 500 CTS** addresses the challenges of fast-paced hemostasis testing environments, maximizing operator productivity while providing unprecedented testing capabilities for a system of its size.

The system features the same advanced technology as the ACL TOP 700, the industry standard for analytical performance and operational simplicity. With end-to-end automation, highest-quality assays and proven results, the ACL TOP 500 CTS is a system that defines excellence in hemostasis testing, and is adaptable to the workload of your lab.

- Complete solution for medium-to high-volume and specialty labs
- Broad menu for routine and specialty assays
- Continuous operation and superior walkaway time
- Real-time STAT capability
- Closed-Tube Sampling (CTS) through a cap-piercing system
- Automated reagent management, QC and maintenance



Complete Disease-State Management

With its comprehensive panel of automated assays, the ACL TOP 500 CTS consolidates the full spectrum of hemostasis testing in one robust system. IL is dedicated to providing assays for every test a patient needs, at every stage of disease-state management.

HemosIL® Assays

<p>General Screening and Anticoagulant Monitoring</p> <p>PT APTT Fibrinogen Clauss Thrombin Time Hepatocomplex* Pro-IL-Complex* Liquid Heparin (one-stage) Heparin (two-stage)</p>	<p>Antiphospholipid Syndrome</p> <p>Silica Clotting Time LAC Screen/Confirm</p>	<p>Thrombophilia</p> <p>Antithrombin Protein C (Chromogenic) Protein C (Clotting) Free Protein S (Antigenic) Free Protein S (Clotting) FV Leiden (APC-R V) Homocysteine ThromboPath*</p>
<p>D-Dimer</p> <p>D-Dimer HS 500* D-Dimer 500* D-Dimer HS D-Dimer</p>	<p>von Willebrand Disease</p> <p>VWF Antigen VWF Activity</p>	<p>Fibrinolysis</p> <p>Plasminogen Plasmin Inhibitor</p>

Certain assay applications are currently under development and pending validation.
*Not available in all countries.



Superior Functionality And Efficiency

Testing Functionality

The ACL TOP 500 CTS provides a complete, consolidated testing solution for clotting, chromogenic and immunological assays. Users can select, customize and launch tests in seconds, choosing from a broad menu of routine and specialty assays, unique among mid-sized analyzers.

- 40 reagents onboard (refrigerated)
- 500 test definitions
- 250 user-definable test definitions
- Up to 30 tests per sample

Speed and Throughput

Process more samples in less time. The high-throughput ACL TOP 500 CTS meets the workload demands of fast-paced hemostasis labs, with a design that prevents bottlenecks and minimizes the need for operator intervention.

- High throughput: 240 PT/hour and 180 PT and APTT/hour
- High capacity: 800 cuvettes, 80 samples
- Continuous loading and unloading of samples, reagents and cuvettes
- Onboard barcode reader automatically identifies reagents and samples
- Presence detection for non-barcoded materials



► **Designed with end-to-end automation for maximum flexibility, speed and operator productivity.**



Efficient and Easy to Use

Automated sample, reagent and results management simplifies user operations, saving time and reducing manpower requirements in the lab. The intuitive menus provide easy access to extensive testing functionality, even for inexperienced users.

Friendly user interface

- Large touchscreen
- Windows® XP Operating System

Automated sample management

- Closed-tube sampling (CTS)
- Continuous loading (rack system)
- Positive sample identification (onboard barcode reader)
- Automatic sample predilution

STAT capability

- Real-time processing of STAT samples
- No customized racks or dedicated positions
- PT results in less than three minutes
- Runs continuously, 24 hours/day, 7 days/week

Real-time reagent management

- Continuous loading (rack system)
- Positive reagent identification (onboard barcode reader)
- Real-time volume tracking (volume measure)
- Onboard stability tracking
- Automated import of assigned values via 2-D barcode

Automated quality control

- User-defined QC frequency
- Westgard Rules
- Levey-Jennings chart

Simple maintenance

- Reduced daily maintenance, at a time specified by the user and performed by the system
- Fully automated maintenance for all other daily activities
- Active maintenance logbook



User-friendly interface simplifies operation.



Closed-tube sampling improves safety.



Real-time reagent management with onboard barcode reader.



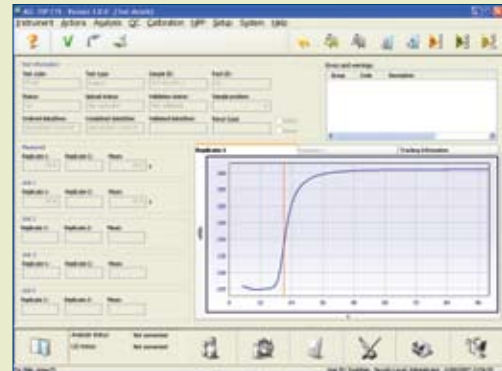
Continuous cuvette loading allows for uninterrupted operation.

Advanced Management Solutions

Managing Results

The ACL TOP 500 CTS performs automated, real-time validation of sample results and can repeat testing if abnormal findings are detected. Additional tests (e.g., reflex) can be programmed and executed automatically, based on user-defined rules. Sample results are stored in memory, readily available for review at any time.

- User-defined automated rerun testing
- Reflex testing through multirules
- Factor parallelism with automatic multiple dilutions
- Result validation through multirules
- Reaction-curve display for all test types (clotting, chromogenic and immunologic)
- Storage of results for 20,000 samples



Reaction-curve displays for all test types.

Complete Traceability

Patient tests

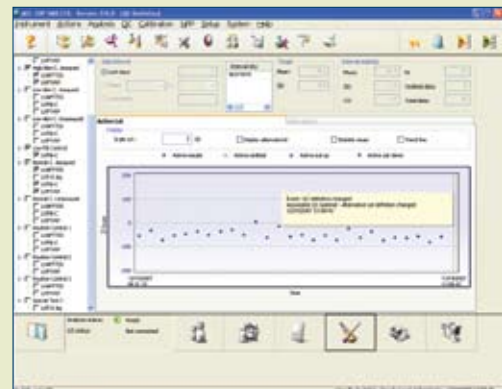
- Operator, reagent lots, calibration, QC, analytical errors and maintenance

QC results

- Events and operator's notes

Maintenance

- Individual operator and alphanumeric notes for each activity
- Exportable results to PDF, XLS and TXT formats



Traceable QC events and Westgard Rules.

Security Compliance

- Password-controlled security access
- Configurable, multi-level user access
- Recorded log of events and user access
- Database backup utility that protects patient identity

System	Sub-System	Group of Users	Access	Access Level
System	System	Admin	Admin	Admin
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
System	System	Admin	Admin	Admin
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator
		Operator	Operator	Operator

Configurable multi-level security access.



ACL TOP 500 CTS - Universal Hemostasis Testing Solution

With its functionality, flexibility and ease of use—and a full range of routine and specialty assays—the ACL TOP 500 CTS provides a complete testing solution for a variety of demanding lab environments.

For routine, medium- to high-volume labs

Run more tests in less time—the user-friendly, high-throughput ACL TOP 500 CTS is ideal for routine analysis in laboratories with moderate-to-heavy workloads.

For specialty labs

Specialty assays are highly automated for easier setup, faster turnaround and fewer demands on laboratory staff. The ACL TOP 500 CTS accelerates and standardizes complex testing processes, providing more reliable results.

As a companion to the ACL TOP 700 in large labs

As a midsize companion or backup for the high-volume ACL TOP 700 models, the ACL TOP 500 CTS provides the same great IL quality and familiar operation as the larger systems.

Working harder and smarter for you

The ACL TOP 500 CTS is transforming hemostasis testing in busy labs, delivering faster turnaround, greater productivity, and consolidation—in one advanced unit. This innovative testing technology from IL delivers the peak performance you need—with more automation, more capabilities and more simplicity from the start of analysis to the end result.

A Revolution in Standardization: The ACL TOP Family

Combine speed, simplicity and intelligence to meet the varied needs of hospitals and specialty labs. Take advantage of “Testing Process Automation”—reducing workload while expanding productivity, and enabling true standardization throughout the lab and hospital.

ACL TOP 700 / ACL TOP 700 CTS / ACL TOP 700 LAS / ACL TOP 500 CTS

- Same accurate results
- Same reagents and consumables
- Same broad test menu features and usability
- Same powerful and intuitive software
- Same user interface



ACL TOP 700



ACL TOP 700 CTS



ACL TOP 700 LAS



ACL TOP 500 CTS

ACL TOP 500 CTS Technical Specifications

Test menu.....	Clotting, chromogenic and immunological assays	Reflex testing	YES (configurable)
Continuous sample loading	YES	Reaction-curves display	YES
Continuous reagent loading	YES	Quality control program	YES (with configurable multi-rules)
Continuous operation	YES	Results autovalidation	YES
Sample transport system	Racks	Patient sample results database	20000 samples (configurable)
Samples onboard	80 (10 per sample rack)	Security system.....	Yes (configurable)
Closed-Tube Sampling	YES (cap-piercing)	Events log system.....	YES
Reagent transport system	Racks	Bi-directional interface	YES
Reagents onboard.....	40 (refrigerated)	Host query function.....	YES
Reagents barcode reader	YES (integrated)	PC	External (dedicated)
Barcoded reagents.....	YES (barcode includes lot, exp. date and vial size)	Operating system	Windows® XP
Cuvettes onboard	800	Monitor	17-inch color LCD touchscreen (external)
Applications onboard	500 (250 user-definable)	Keyboard	YES (external)
Tests per sample.....	30	Mouse	YES (external)
Throughput		Printer	YES (external)
PT tests/hour	240	User interface	Windows® XP-based
PT/APTT tests/hour	180	Unit dimensions H x D x W.....	73 x 89 x 110 cm
Sample predilution	YES	Weight (analyzer)	141 kg
Calibration curve predilution.....	YES		
Factor parallelism.....	YES		
Rerun testing	YES (configurable)		

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.

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