

ONE FAMILY OF  
ANALYZERS.

ONE STANDARD  
OF TESTING.



## One standardized analyzer line. Many hemostasis testing needs.

The **ACL TOP Family** is a complete line of Hemostasis Testing Systems—each designed with the same high standards of operation and functionality to meet the needs of your hospital and lab regardless of its size or scope. Whether running routine or highly specialized assays, ACL TOP provides **Testing Process Automation** in a range of instruments, ideal for low- to high-volume labs through **fully integrated Laboratory Automation Systems**.

And, because ACL TOP Systems are optimized to run with HemosIL reagents, they are part of a **complete disease state management solution**.

### All ACL TOP Systems provide:

- **Same results**—standardization among labs
- **Same reagents and consumables**—optimized administration
- **Same features and usability**—simplified training
- **Same powerful and intuitive software**—easy to use

## For low- to medium-volume labs

### ACL TOP 300 CTS\*

Newest and smallest ACL TOP analyzer for routine or specialty assays in low- to medium-volume labs. Perfect companion to ACL TOP 700 CTS or ACL TOP 500 CTS.

Throughput (PT/h)	110
Samples onboard	40
Reagents onboard	26



**New**

## For medium- to high-volume labs

### ACL TOP 500 CTS

Highly automated testing processes in routine, medium- to high-volume and specialty labs.

Throughput (PT/h)	240
Samples onboard	80
Reagents onboard	40



## For high-volume labs

### ACL TOP 700

Run more tests in less time—user-friendly and high throughput for routine analysis in laboratories with the heaviest workloads.

### ACL TOP 700 CTS

Added safety in routine, high-volume and specialty labs with Closed-Tube Sampling.

### ACL TOP 700 LAS

Maximum flexibility and efficiency; connects to your laboratory automation track.

	ACL TOP 700 CTS	ACL TOP 700
Throughput (PT/h)	270	360
Samples onboard	120	120
Reagents onboard	60	60



\*Not available in all countries.

# 'Testing Process Automation' and superior performance across all ACL TOP Systems

Process more samples in less time with minimal operator intervention.

## **Analyzer Automation**

- Barcoded reagents
- Continuous onboard reagent stability monitoring
- Automatic QC frequency execution
- Rerun and reflex testing capabilities
- Fully automated reporting of factor assays with Parallelism
- Auto-verification and uploading of results
- Closed-Tube Sampling via cap-piercing (CTS models only)

## **Laboratory Automation**

- Follows CLSI Guidelines (AUTO 1–5) for true 'Point-of-Reference' sampling
- Open system compatible with most Laboratory Automation Track Systems
- Eliminates need for costly and slow robotic interface

## **Continuous Operation**

- Continual loading and unloading of samples and reagents via racks with no system interruption
- Uninterrupted cuvette loading
- Uninterrupted waste disposal

## **Fast Turnaround**

- Up to 360 PT/hour
- PT from standby in < 3 minutes
- Samples loaded on any rack, in any position, at any time, including STAT

## **Simple Maintenance**

- Daily maintenance, ordered by user and performed by system, in < 5 minutes
- 'Maintenance overdue' notifications alert user
- Remote instrument diagnostics and troubleshooting via web interface in real time\* (optional)

\*Not available in all countries.

ACL TOP Systems provide a variety of control and visibility features for enhanced performance and quality reporting—ensuring ultimate testing confidence.

## **Clot Signature Curves**

- Available for patient samples, QC and calibrations
- Illustrate reaction readings within a cuvette, for analysis of abnormal results
- Unique to optical-based detection systems

## **State-of-the-Art Factor Assay Testing**

- Multi-point calibration with direct dilution
- One calibration for entire linear range
- Dual calibration algorithms, including polynomial math models
- Zero calibration point for highest accuracy at very low factor activity
- Automatic multiple dilutions for sample Factor Parallelism
- Graphical display and data checks enhance identification of factor inhibitors



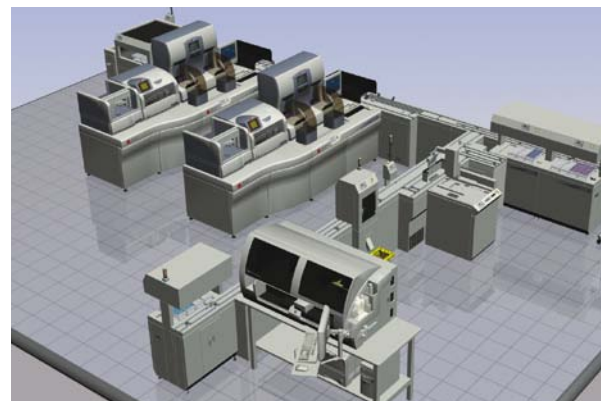
User-friendly interface with large touchscreen is simple to operate.



Closed-Tube Sampling ensures safety.



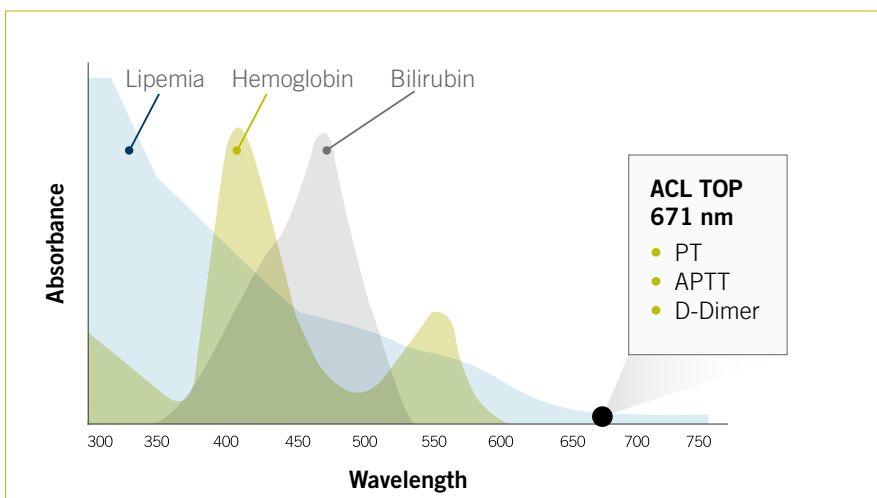
Onboard barcode reader allows real-time reagent management.



ACL TOP 700 LAS easily integrates into most laboratory automation track systems.

## Advanced optical system offers superior accuracy and efficiency

- Wavelengths optimized for minimal interferences from known contaminants
- Multiple- and independent-reading channels
- Simultaneous reading of multiple wavelengths
- Clot curve outputs for independent verification and validation of results



ACL TOP Systems read at 671 nm, outside the range of optical interferences for several key and routine assays.



## HemosIL® Reagents

# Comprehensive automated test panel for complete disease state management

ACL TOP Family Systems offer complete disease-state management through a comprehensive panel of HemosIL assays. The broad test menu provides flexible solutions for both routine and specialty testing. The same reagents on all ACL TOP Systems mean true standardization throughout the lab.

### General Screening and Anticoagulant Monitoring

PT  
 APTT  
 Fibrinogen Clauss  
 Thrombin Time  
 Hepatocomplex\*  
 Pro-IL-Complex\*  
 Liquid Heparin (one-stage)  
 Heparin (two-stage)

### D-Dimer

D-Dimer HS 500  
 D-Dimer HS  
 D-Dimer 500\*  
 D-Dimer

### Heparin-Induced Thrombocytopenia

HIT-Ab<sub>(PF4-H)</sub>\*

### Antiphospholipid Syndrome

Silica Clotting Time  
 LAC Screen/Confirm  
 dRVVT Screen/Confirm

### Coagulation Factors

Intrinsic Factors  
 Extrinsic Factors  
 FXIII Antigen

### von Willebrand Disease

VWF Antigen  
 VWF Activity  
 VWF:RCo\*

### Thrombophilia

Antithrombin  
 Protein C (Chromogenic)  
 Protein C (Clotting)  
 Free Protein S (Antigenic)  
 Free Protein S (Clotting)  
 FV Leiden (APC-R V)  
 Homocysteine  
 ThromboPath\*

### Fibrinolysis

Plasminogen  
 Plasmin Inhibitor

\*Not currently 510(k) cleared.

*HemosIL®*





## Fully customizable for labs of any size

- User-configurable settings
- Cap-piercing option
- Laboratory Automation System option

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 are committed to continuous enhancements through constant innovation.

▶ HEMOSTASIS INNOVATION IS HERE.

# ACL TOP Family Technical Specifications

Test menu		Clotting, chromogenic and immunological assays
System configurations	ACL TOP 700 ACL TOP 700 CTS ACL TOP 700 LAS ACL TOP 500 CTS ACL TOP 300 CTS	Open-Tube Sampling Closed-Tube Sampling (cap-piercing) Laboratory Automation System compatibility (off-board sampling) Compact size with Closed-Tube Sampling Compact size with Closed-Tube Sampling
Samples onboard	ACL TOP 700 ACL TOP 700 CTS ACL TOP 700 LAS ACL TOP 500 CTS ACL TOP 300 CTS	120 120 Continuous from LAS track or 90 front-loaded 80 40
Reagents onboard	ACL TOP 700 ACL TOP 700 CTS ACL TOP 700 LAS ACL TOP 500 CTS ACL TOP 300 CTS	60 60 60 40 26
Patient samples results database		20,000 samples
Throughput	ACL TOP 700  ACL TOP 700 CTS  ACL TOP 700 LAS ACL TOP 500 CTS  ACL TOP 300 CTS	PT..... 360 tests/hr (360 samples/hr) APTT..... 320 tests/hr (320 samples/hr) PT and APTT ..... 330 tests/hr (165 samples/hr)  PT..... 270 tests/hr (270 samples/hr) APTT..... 270 tests/hr (270 samples/hr) PT and APTT ..... 260 tests/hr (130 samples/hr)  Throughput from the LAS Track is dependent upon factors such as LAS Track configuration and settings  PT..... 240 tests/hr (240 samples/hr) APTT..... 180 tests/hr (180 samples/hr) PT and APTT ..... 180 tests/hr (90 samples/hr)  PT..... 110 tests/hr (110 samples/hr) APTT..... 110 tests/hr (110 samples/hr) PT and APTT ..... 110 tests/hr (55 samples/hr)
Dimensions (w x d x h)	ACL TOP 700 ACL TOP 700 CTS ACL TOP 700 LAS ACL TOP 500 CTS ACL TOP 300 CTS	151 x 76 x 73 cm 151 x 76 x 73 cm 188 x 87 x 162 cm (includes integrated table) 110 x 82 x 73 cm 81 x 84 x 73 cm
Weight	ACL TOP 700 ACL TOP 700 CTS ACL TOP 700 LAS ACL TOP 500 CTS ACL TOP 300 CTS	150 kg 160 kg 184 kg (includes integrated table) 141 kg 91 kg

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