

ONE FAMILY OF
ANALYZERS.

ONE STANDARD
OF TESTING.



HEMOSTASIS INNOVATION IS HERE. ►



One standardized analyzer line. Many automated advantages.

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 **Intelligent Testing** in a range of instruments, delivering quality and efficiency in low- to high-volume labs, including those with 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 save time and resources through a single, standardized platform:

- **Same results**—standardized quality management
- **Same reagents and consumables**—optimized inventory management
- **Same features and usability**—simplified training and enhanced quality of results
- **Same powerful and intuitive software**—ease of 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 500 CTS.

Throughput (PT/hr)	up to 110
Samples onboard	40
Reagents onboard	26

For medium- to high-volume labs

ACL TOP 500 CTS

For highly automated testing in routine, medium- to high-volume and specialty labs.

Throughput (PT/hr)	up to 240
Samples onboard	80
Reagents onboard	40



For high-volume labs

ACL TOP 700

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

ACL TOP 700 CTS

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

ACL TOP 700 LAS

Connects to your laboratory automation track for maximum flexibility and efficiency.

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



Intelligent Testing 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 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.



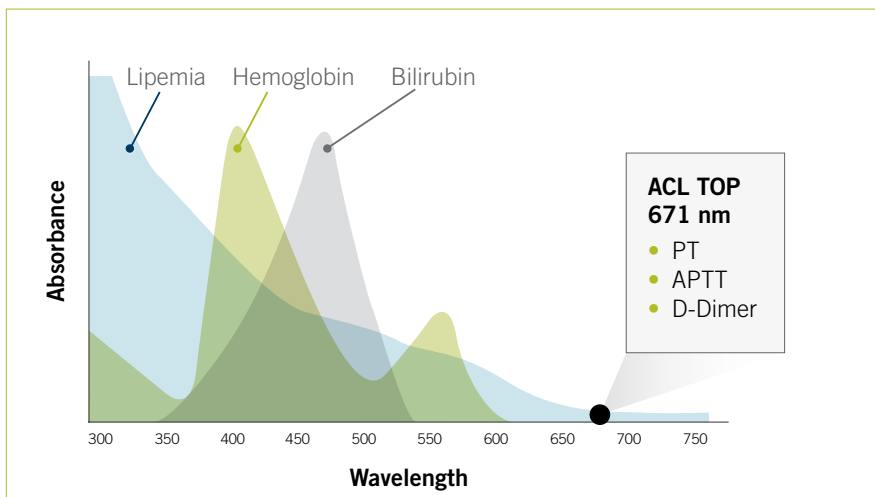
Onboard barcode reader allows real-time reagent management.



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 Anti-Xa (one-stage)
Heparin (two-stage)

D-Dimer

D-Dimer HS 500
D-Dimer HS
D-Dimer

Heparin-Induced Thrombocytopenia

HIT-Ab_(PF4-H)*

Antiphospholipid Syndrome

Silica Clotting Time
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 (offboard 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 (configurable)
Throughput	ACL TOP 700 ACL TOP 700 CTS ACL TOP 700 LAS ACL TOP 500 CTS ACL TOP 300 CTS	PT up to 360 tests/hr (360 samples/hr) APTT up to 320 tests/hr (320 samples/hr) PT and APTT up to 330 tests/hr (165 samples/hr) PT up to 270 tests/hr (270 samples/hr) APTT up to 270 tests/hr (270 samples/hr) PT and APTT up to 260 tests/hr (130 samples/hr) Throughput from the LAS track is dependent upon factors such as LAS track configuration and settings PT up to 240 tests/hr (240 samples/hr) APTT up to 180 tests/hr (180 samples/hr) PT and APTT up to 180 tests/hr (90 samples/hr) PT up to 110 tests/hr (110 samples/hr) APTT up to 110 tests/hr (110 samples/hr) PT and APTT up to 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 (64 x 30 x 29 in) 151 x 76 x 73 cm (64 x 30 x 29 in) 188 x 86 x 162 cm (74 x 34 x 64 in) (includes integrated table and arm) 110 x 82 x 73 cm (43 x 32 x 29 in) 81 x 84 x 73 cm (32 x 32 x 29 in)
Weight	ACL TOP 700 ACL TOP 700 CTS ACL TOP 700 LAS ACL TOP 500 CTS ACL TOP 300 CTS	150 kg (330 lbs) 160 kg (352 lbs) 184 kg (404 lbs) 147 kg (324 lbs) 91 kg (200 lbs)

Werfen

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