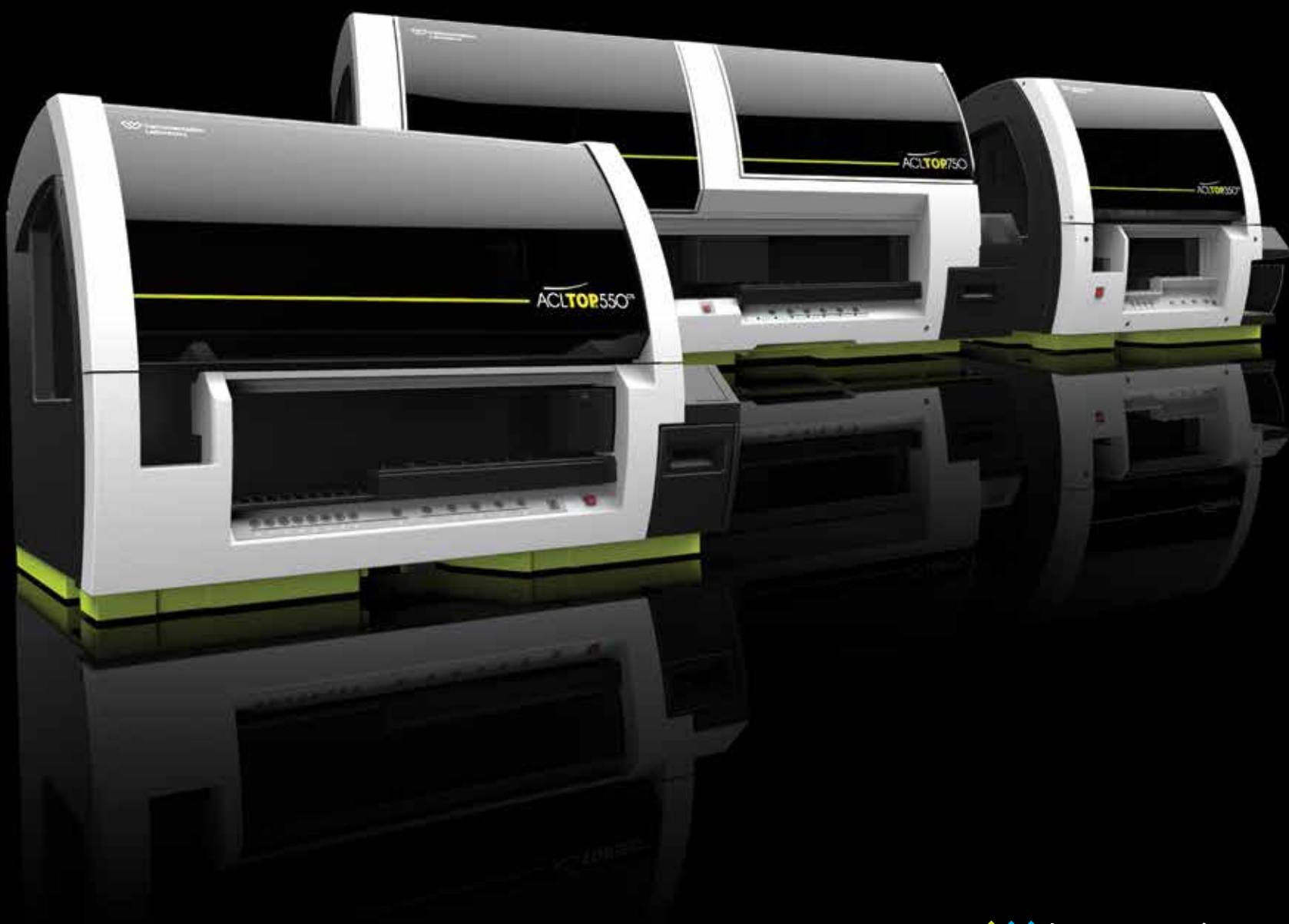


NEW

ACLTOP[®]
Family 50 series

Introducing The most advanced systems in Hemostasis testing.



HEMOSTASIS INNOVATION IS HERE. ▶

 **Instrumentation
Laboratory**
A Werfen Company

A breakthrough in Hemostasis testing.

New **ACL TOP Family 50 Series**

Offering the most advanced automation and quality management from routine to specialty assays.

Standardized across all ACL TOP systems—for superior performance across your entire testing process

- **Same** quality results
- **Same** comprehensive reagent portfolio
- **Same** powerful and intuitive software
- **Same** features and usability

And now:

- **Same** assay-specific pre-analytical sample checks
- **Same** advanced lab accreditation support
- **Same** advanced quality management



The *new* ACL TOP Family 50 Series is designed to **minimize errors** and **enhance quality**.

Completely standardized for advanced automation and quality

Ideal for medium- to high-volume labs, including integrated lab automation systems—routine or specialty testing.

For high-volume labs



ACL TOP 750

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

ACL TOP 750 CTS

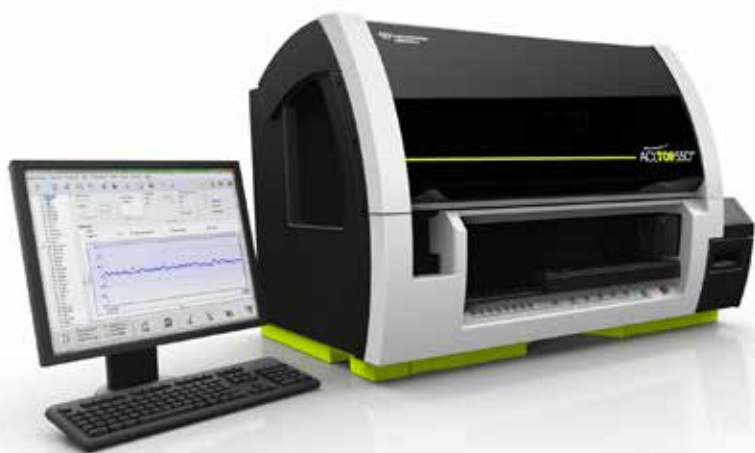
Closed-Tube Sampling adds safety in routine, high-volume and specialty labs.

ACL TOP 750 LAS

Connects to laboratory automation tracks for maximum flexibility and efficiency.

	ACL TOP 750	ACL TOP 750 CTS
Throughput (PT/hr)	up to 360	up to 270
Samples onboard	120	120
Reagents onboard	60	60

For medium- to high-volume labs



ACL TOP 550 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 medium-volume labs



ACL TOP 350 CTS

The most compact ACL TOP Family 50 Series system for routine or specialty assays in medium-volume labs. Perfect companion to ACL TOP 750 CTS and 550 CTS systems.

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

The ACL TOP Family

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)

Continuous operation

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

Simple maintenance

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

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

Fast turnaround

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

* Not available in all countries.



Onboard barcode reader allows real-time reagent management.



Closed-Tube Sampling enhances safety in the testing process.

The ACL TOP Family 50 Series

Automated pre-analytical sample integrity checks

- Detects interference from Hemolysis, Bilirubin or Lipemia
 - Values exceeding assay-specific thresholds are flagged
 - Pre-set to validated thresholds with optional customization
- Detects tube-fill height issues
- Flags abnormal sample aspiration, prompting user to check for clots

Advanced quality and accreditation support tools

- Most comprehensive set of audit-trail tools available
- Time, date and operator stamps for all analyzer functions and activity
- Maintenance, QC and calibration logs, and temperature report
- Comprehensive and secure one-click audit reports

Enhanced system security

- Second-level password and electronic signature
- Automatic system log-off
- System-access restriction with user-specific log-in and password
- Automatic password expiration
- Comprehensive 21 CFR Part 11 support tools
- Optional user-access restriction to patient-demographic information



Comprehensive assay menu for disease state management

HemosIL assays

ACL TOP Family 50 Series systems are optimized to operate with a comprehensive panel of HemosIL assays. Together, they are a complete disease-state management solution. Innovative **HemosIL assays**, routine to specialty, help guide pathways for better patient care that can reduce costs associated with hospital length-of-stay and therapeutic management.

True standardization throughout the lab for routine and specialty assays on all ACL TOP systems

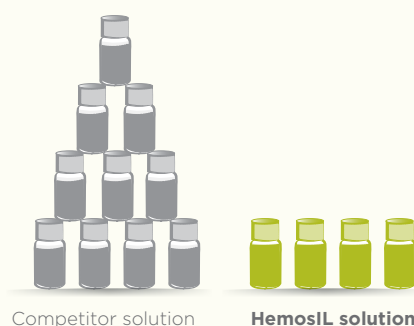
General Screening and Anticoagulant Monitoring/Testing RecombiPlasTin® 2G PT-FIB HS Plus ◆ SynthASil ◆ APTT-SP Fibrinogen-C Q.F.A. Thrombin ◆ Liquid Anti-Xa Direct Thrombin Inhibitor*	Heparin-Induced Thrombocytopenia ◆ HIT-Ab _(PF4-H) *	Thrombophilia ◆ Antithrombin Protein C (Chromogenic) Protein C (Clotting) Free Protein S (Antigenic) Free Protein S (Clotting) FV Leiden (APC-R V) Homocysteine ThromboPath*
D-Dimer ◆ D-Dimer HS 500 D-Dimer HS D-Dimer 500* D-Dimer	Antiphospholipid Syndrome ◆ Silica Clotting Time dRVVT Screen/Confirm	von Willebrand Disease ◆ VWF:RCo* VWF Activity ◆ VWF:Ag FVIII
	Coagulation Factors Intrinsic Factors Extrinsic Factors ◆ FXIII Antigen	
	Fibrinolysis Plasminogen Plasmin Inhibitor	

* Not FDA cleared. Not saleable in the U.S. | ◆ Liquid, ready-to-use format.

◆ Increased efficiencies with HemosIL liquid, ready-to-use assays

- The great majority of Hemostasis tests performed in laboratories today are comprised of PT and APTT; therefore, their efficient use is essential.
- HemosIL high-sensitivity, liquid, ready-to-use assays are available for PT, APTT, D-Dimer, Anti-Xa and more.
- These assays deliver efficiency by:
 - Eliminating reconstitution errors for more accurate results
 - Eliminating extra pipetting steps for increased efficiency
 - Reducing labor utilization overall

Significant Reduction in Hands-on Tech Time for Vial Reconstitution*



Reduced by ≈ 65%**

* Data on file, IL.

** Assumes high-volume, routine testing with PT, APTT, D-Dimer and Fibrinogen assays.

HemosIL[®]
ASSAYS

NEW

**ACLTOP**
Family 50 series

A **new** breakthrough in Hemostasis testing

ACL TOP Family 50 Series systems are the first in Hemostasis testing to automate and integrate:

- Pre-analytical sample integrity checks
- Advanced quality management
- Lab accreditation tools

ACL TOP Family 50 Series. Advanced automation and quality for lab efficiency and better patient care.

ACL TOP Family 50 Series standardizes the Hemostasis testing process—for flexibility, efficiency and enhanced patient care

Technical Specifications

Test menu		Clotting, chromogenic and immunological assays
System configurations	ACL TOP 750 ACL TOP 750 CTS ACL TOP 750 LAS ACL TOP 550 CTS ACL TOP 350 CTS	Open-Tube Sampling Closed-Tube Sampling (cap-piercing) Laboratory Automation System compatibility (offboard sampling) Midsize with Closed-Tube Sampling Compact size with Closed-Tube Sampling
Samples onboard	ACL TOP 750, 750 CTS ACL TOP 750 LAS ACL TOP 550 CTS ACL TOP 350 CTS	120 Continuous from LAS track or 90 front-loaded 80 40
Pre-analytical sample checks	All ACL TOP Family 50 Series systems	Assay-specific HIL sample check and sample aspiration clog check
Reagents onboard	ACL TOP 750, 750 CTS, 750 LAS ACL TOP 550 CTS ACL TOP 350 CTS	60 40 26
Patient samples results database		20,000 samples (configurable)
Throughput	ACL TOP 750	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)
	ACL TOP 750 CTS	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)
	ACL TOP 750 LAS	Throughput from the LAS track is dependent upon factors such as LAS track configuration and settings
	ACL TOP 550 CTS	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)
	ACL TOP 350 CTS	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)
Unit dimensions (w x d x h)	ACL TOP 750, 750 CTS ACL TOP 750 LAS ACL TOP 550 CTS ACL TOP 350 CTS	151 x 76 x 73 cm (59 x 30 x 29 in) 188 x 87 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 33 x 29 in)
Weight	ACL TOP 750 ACL TOP 750 CTS ACL TOP 750 LAS ACL TOP 550 CTS ACL TOP 350 CTS	162 kg (356 lbs) 166 kg (367 lbs) 184 kg (406 lbs) 147 kg (324 lbs) 91 kg (200 lbs)

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