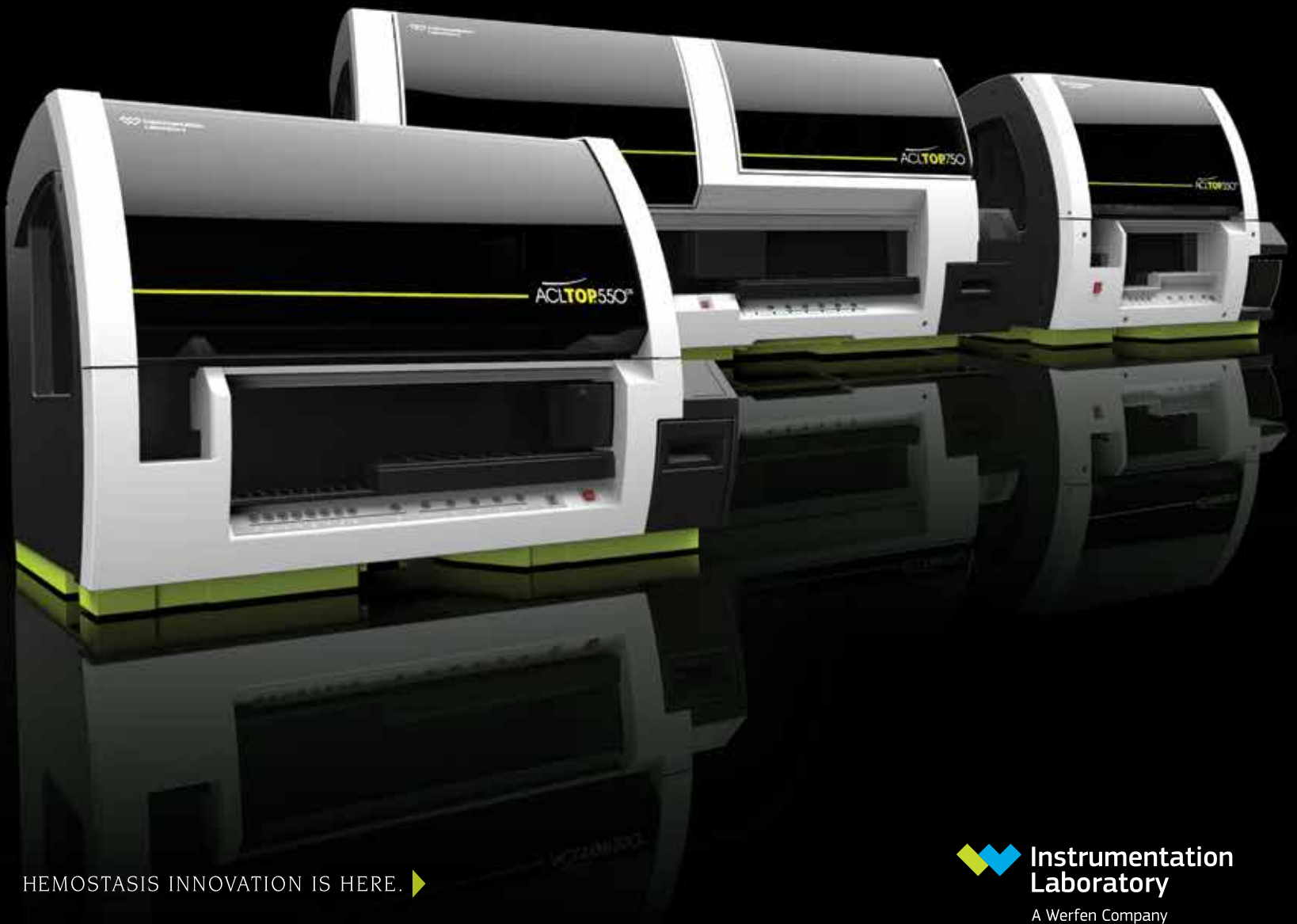


NEW

ACLTOP<sup>®</sup>  
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.

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## 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

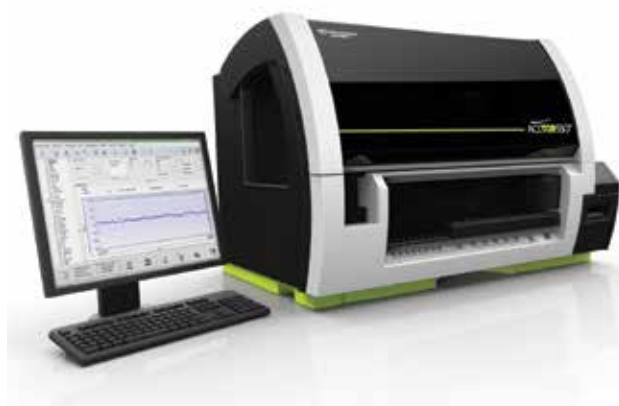
Closed-Tube Sampling adds safety in routine and specialty labs.

#### 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 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 testing. 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

## Operational efficiency and quality

- Automatic QC frequency execution
- Auto-verification and uploading of results
- Barcoded reagents
- Continuous onboard reagent-stability monitoring
- Rerun and reflex testing capabilities
- Fully automated reporting of factor assays with parallelism

## 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)

## 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

## 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

\*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 activities
- Each result associated with reagent lot, calibration and QC for full traceability
- 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 login 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**

|   |  |   |
|---|--|---|
| <b>General Screening and Anticoagulant Monitoring/Testing</b> <ul style="list-style-type: none"> <li>◆ ReadiPlasTin<sup>***</sup><br/>RecombiPlasTin<sup>®</sup> 2G<br/>PT-FIB HS Plus</li> <li>◆ SynthASil<sup>®</sup></li> <li>◆ APTT-SP<br/>Q.F.A. Thrombin<br/>Fibrinogen-C<br/>Thrombin Time</li> <li>◆ Liquid Anti-Xa<br/>Apixaban*<br/>Rivaroxaban*<br/>Direct Thrombin Inhibitor<br/>Dabigatran*</li> </ul> | <b>D-Dimer</b> <ul style="list-style-type: none"> <li>◆ D-Dimer HS 500<br/>D-Dimer HS<br/>D-Dimer</li> </ul> <b>Heparin-Induced Thrombocytopenia</b> <ul style="list-style-type: none"> <li>◆ HIT-Ab<sub>(PF4-H)</sub></li> </ul> <b>Antiphospholipid Syndrome</b> <ul style="list-style-type: none"> <li>◆ Silica Clotting Time<br/>dRVVT Screen/Confirm</li> </ul> <b>Coagulation Factors</b> <ul style="list-style-type: none"> <li>Intrinsic Factors<br/>Extrinsic Factors</li> <li>◆ FXIII Antigen</li> </ul> | <b>von Willebrand Disease</b> <ul style="list-style-type: none"> <li>◆ VWF:RCO*<br/>VWF Activity</li> <li>◆ VWF:Ag<br/>FVIII</li> </ul> <b>Fibrinolysis</b> <ul style="list-style-type: none"> <li>Plasminogen<br/>Plasmin Inhibitor<br/>FDP*</li> </ul> <b>Thrombophilia</b> <ul style="list-style-type: none"> <li>◆ Antithrombin<br/>Protein C (Chromogenic)<br/>Protein C (Clotting)<br/>Free Protein S (Antigenic)<br/>Free Protein S (Clotting)<br/>FV Leiden (APC-R V)<br/>Homocysteine</li> </ul> |
|---|--|---|

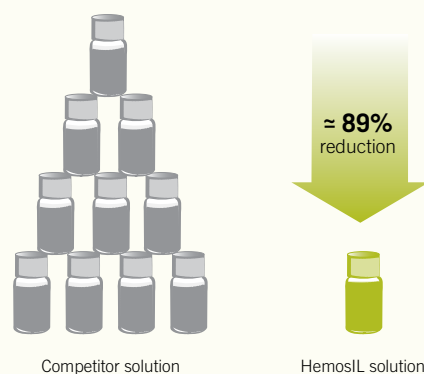
\*Not FDA cleared. Not saleable in the U.S. ◆ Liquid, ready-to-use format.

\*\*Currently available on the ACL TOP Family and ACL TOP Family 50 Series.

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

- The majority of Hemostasis tests performed in laboratories today include 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 Vial Reconstitution



**Number of vials reconstituted reduced by ≈ 89%\*\***

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

**HemosIL<sup>®</sup>**  
ASSAYS

NEW



## 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                   | Open-Tube Sampling   |
|                                  | ACL TOP 750 CTS               | Closed-Tube Sampling (cap-piercing)  |
|                                  | ACL TOP 750 LAS               | Laboratory Automation System compatibility (offboard sampling)   |
|                                  | ACL TOP 550 CTS               | Midsize with Closed-Tube Sampling  |
|                                  | ACL TOP 350 CTS               | Compact size with Closed-Tube Sampling   |
| Samples onboard                  | ACL TOP 750, 750 CTS          | 120  |
|                                  | ACL TOP 750 LAS               | Continuous from LAS track or 90 front-loaded   |
|                                  | ACL TOP 550 CTS               | 80   |
|                                  | ACL TOP 350 CTS               | 40   |
| Pre-analytical sample checks     |                               | Assay-specific HIL sample check and sample aspiration clog check   |
| Reagents onboard                 | ACL TOP 750, 750 CTS, 750 LAS | 60   |
|                                  | ACL TOP 550 CTS               | 40   |
|                                  | ACL TOP 350 CTS               | 26   |
| Patient samples results database |                               | 20,000 samples (configurable)  |
| Throughput                       | ACL TOP 750                   | PT .....up to 360 tests/hr (360 samples/hr)<br>APTT .....up to 320 tests/hr (320 samples/hr)<br>PT and APTT....up to 330 tests/hr (165 samples/hr) |
|                                  | ACL TOP 750 CTS               | PT .....up to 270 tests/hr (270 samples/hr)<br>APTT .....up to 270 tests/hr (270 samples/hr)<br>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)<br>APTT .....up to 180 tests/hr (180 samples/hr)<br>PT and APTT....up to 180 tests/hr (90 samples/hr)  |
|                                  | ACL TOP 350 CTS               | PT .....up to 110 tests/hr (110 samples/hr)<br>APTT .....up to 110 tests/hr (110 samples/hr)<br>PT and APTT....up to 110 tests/hr (55 samples/hr)  |
| Unit dimensions<br>(w x d x h)   | ACL TOP 750, 750 CTS          | 151 x 76 x 73 cm (59 x 30 x 29 in)   |
|                                  | ACL TOP 750 LAS               | 188 x 87 x 162 cm (74 x 34 x 64 in) (includes integrated table and arm)  |
|                                  | ACL TOP 550 CTS               | 110 x 82 x 73 cm (43 x 32 x 29 in)   |
|                                  | ACL TOP 350 CTS               | 81 x 84 x 73 cm (32 x 33 x 29 in)  |
| Weight                           | ACL TOP 750                   | 162 kg (356 lbs)   |
|                                  | ACL TOP 750 CTS               | 166 kg (367 lbs)   |
|                                  | ACL TOP 750 LAS               | 184 kg (406 lbs)   |
|                                  | ACL TOP 550 CTS               | 147 kg (324 lbs)   |
|                                  | ACL TOP 350 CTS               | 91 kg (200 lbs)  |

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