Introducing
The most advanced systems in Hemostasis testing.

NEW ACL TOP Family 50 Series
A breakthrough in Hemostasis Testing.

The new **ACL TOP Family 50 Series**, a complete line of Hemostasis Testing Systems, offers the most advanced automation and quality management from routine to specialty assays—now with automated, integrated pre-analytical sample integrity checks, advanced quality management, and lab accreditation tools.

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

<table>
<thead>
<tr>
<th></th>
<th>ACL TOP 750</th>
<th>ACL TOP 750 CTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throughput (PT/hr)</td>
<td>up to 360</td>
<td>up to 270</td>
</tr>
<tr>
<td>Samples onboard</td>
<td>120</td>
<td>120</td>
</tr>
<tr>
<td>Reagents onboard</td>
<td>60</td>
<td>60</td>
</tr>
</tbody>
</table>
Completely standardized for advanced automation and quality

**For medium- to high-volume labs**

**ACL TOP 550 CTS**

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

<table>
<thead>
<tr>
<th>Throughput (PT/hr)</th>
<th>up to 240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samples onboard</td>
<td>80</td>
</tr>
<tr>
<td>Reagents onboard</td>
<td>40</td>
</tr>
</tbody>
</table>

**For medium-volume labs**

**ACL TOP 350 CTS**

The smallest ACL TOP system for routine or specialty assays in medium-volume labs. Perfect companion to ACL TOP 750 CTS or 550 CTS system.

<table>
<thead>
<tr>
<th>Throughput (PT/hr)</th>
<th>up to 110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samples onboard</td>
<td>40</td>
</tr>
<tr>
<td>Reagents onboard</td>
<td>26</td>
</tr>
</tbody>
</table>

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

NEW
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
- Uninterrupted 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 ~3 minutes
- Samples loaded on any rack, in any position, at any time, including STAT
Challenges in Hemostasis testing

Efficiency gaps in the pre-analytical phase

- Most Hemostasis testing errors occur during the pre-analytical process of drawing and preparing samples.
- Common pre-analytical errors
  - Under-filled sample tubes
  - Interfering substances that potentially affect sample result, such as Hemolysis, Icterus/bilirubin and Lipemia
  - Pre-activated or clotted samples
- Errors can compromise the quality of results, leading to time and resource inefficiencies and suboptimal patient care.

Now, the ACL TOP Family 50 Series helps address these challenges, enhancing quality and reducing laboratory errors

Integrated quality management with automated pre-analytical checks

- Assay-specific interference detection fails or flags patient results
  - Using pre-set IL-validated or user-defined error or warning thresholds
- Under-filled sample-tube flagging tools
- Abnormal sample aspiration alerts prompt operator to check for clots

Advanced quality and accreditation support tools

- The most comprehensive set of audit trail tools available, including time, date and operator stamps (TDOS)
- Comprehensive and secure audit reports
- Automated system access restrictions
- Second-level password and electronic signature
HemosIL Assays

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

The same assays on all ACL TOP systems mean true standardization throughout the lab for routine to specialty assays.

<table>
<thead>
<tr>
<th>General Screening and Anticoagulant Monitoring/Testing</th>
<th>Heparin-Induced Thrombocytopenia</th>
<th>Thrombophilia</th>
</tr>
</thead>
<tbody>
<tr>
<td>RecombiPlasTin® 2G</td>
<td>HIT-Ab (PF4, X)</td>
<td>Antithrombin</td>
</tr>
<tr>
<td>PT-FIB HS Plus</td>
<td></td>
<td>Protein C (Chromogenic)</td>
</tr>
<tr>
<td>SynthAsil</td>
<td></td>
<td>Protein C (Clotting)</td>
</tr>
<tr>
<td>APTT-SP</td>
<td></td>
<td>Free Protein S (Antigenic)</td>
</tr>
<tr>
<td>Fibrinogen-C</td>
<td></td>
<td>Free Protein S (Clotting)</td>
</tr>
<tr>
<td>Q.F.A. Thrombin</td>
<td></td>
<td>FV Leiden (APC-R V)</td>
</tr>
<tr>
<td>Liquid Anti-Xa</td>
<td></td>
<td>Homocysteine</td>
</tr>
<tr>
<td>Direct Thrombin Inhibitor*</td>
<td></td>
<td>ThromboPath*</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>D-Dimer</th>
<th>HemosIL solution</th>
<th>Competitor solution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Hands-on tech time for vial reconstitution reduced by ≈ 65%**</td>
</tr>
</tbody>
</table>

** Increased efficiencies with liquid, ready-to-use assays
- Obtaining accurate results in the most efficient way possible is becoming increasingly important in today’s economic reality.
- In many laboratories, PT and APTT testing comprises more than 90% of all Hemostasis tests performed.
- HemosIL high-sensitivity liquid, ready-to-use assays are available for testing PT, APTT, D-Dimer, Anti-Xa and more.
- These assays:
  - Eliminate reconstitution errors—leading to more accurate results
  - Eliminate extra pipetting steps—increasing efficiency
  - Reduce labor utilization overall

** Significant Reduction in Vial Reconstitution**

* Data on file, IL.
** Assumes high-volume, routine testing with PT, APTT, D-Dimer and Fibrinogen assays.
A breakthrough in Hemostasis testing

Minimize errors and enhance quality of care with the new ACL TOP Family 50 Series, the first Hemostasis Testing Systems to automate and integrate:

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

ACL TOP Family 50 Series. The most advanced systems in Hemostasis testing.
ACL TOP Family 50 Series standardizes the Hemostasis testing process—for flexibility, efficiency and enhanced patient care

### Technical Specifications

<table>
<thead>
<tr>
<th>Test menu</th>
<th>Clotting, chromogenic and immunological assays</th>
</tr>
</thead>
</table>
| System configurations | ACL TOP 750  
ACL TOP 750 CTS  
ACL TOP 750 LAS  
ACL TOP 550 CTS  
ACL TOP 350 CTS  
ACL TOP 750, 750 CTS  
ACL TOP 750 LAS  
ACL TOP 550 CTS  
ACL TOP 350 CTS  
ACL TOP 350 CTS  
ACL TOP 550 CTS  
ACL TOP 750 LAS  
ACL TOP 750 CTS  |

| Samples onboard | ACL TOP 750, 750 CTS  
ACL TOP 750 LAS  
ACL TOP 550 CTS  
ACL TOP 350 CTS  |

| 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  |

| Patient samples results database | 20,000 samples (configurable) |

| Throughput | ACL TOP 750  
ACL TOP 750 CTS  
ACL TOP 750 LAS  
ACL TOP 550 CTS  
ACL TOP 350 CTS  |

| Unit dimensions (w x d x h) | ACL TOP 750, 750 CTS  
ACL TOP 750 LAS  
ACL TOP 550 CTS  
ACL TOP 350 CTS  |

| Weight | ACL TOP 750  
ACL TOP 750 CTS  
ACL TOP 750 LAS  
ACL TOP 550 CTS  
ACL TOP 350 CTS  |

For more information, contact your local Werfen sales representative or distributor.