ONE FAMILY OF ANALYZERS.

ONE STANDARD OF TESTING.

HEMOSTASIS INNOVATION IS HERE.
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.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throughput (PT/h)</td>
<td>110</td>
</tr>
<tr>
<td>Samples onboard</td>
<td>40</td>
</tr>
<tr>
<td>Reagents onboard</td>
<td>26</td>
</tr>
</tbody>
</table>
For medium- to high-volume labs

**ACL TOP 500 CTS**
Highly automated testing processes in routine, medium- to high-volume and specialty labs.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Throughput (PT/h)</td>
<td>240</td>
</tr>
<tr>
<td>Samples onboard</td>
<td>80</td>
</tr>
<tr>
<td>Reagents onboard</td>
<td>40</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th></th>
<th>ACL TOP 700 CTS</th>
<th>ACL TOP 700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throughput (PT/h)</td>
<td>270</td>
<td>360</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>
‘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)

### 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

### 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

### 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.

### 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

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

<table>
<thead>
<tr>
<th>General Screening and Anticoagulant Monitoring</th>
<th>Heparin-Induced Thrombocytopenia</th>
<th>Thrombophilia</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT</td>
<td>HIT-Ab&lt;sup&gt;PF4,AP&lt;/sup&gt;</td>
<td>Antithrombin</td>
</tr>
<tr>
<td>APTT</td>
<td></td>
<td>Protein C (Chromogenic)</td>
</tr>
<tr>
<td>Fibrinogen Clauss</td>
<td></td>
<td>Protein C (Clotting)</td>
</tr>
<tr>
<td>Thrombin Time</td>
<td></td>
<td>Free Protein S (Antigenic)</td>
</tr>
<tr>
<td>Hepatocomplex&lt;sup&gt;*&lt;/sup&gt;</td>
<td></td>
<td>Free Protein S (Clotting)</td>
</tr>
<tr>
<td>Pro-IL-Complex&lt;sup&gt;*&lt;/sup&gt;</td>
<td></td>
<td>FV Leiden (APC-R V)</td>
</tr>
<tr>
<td>Liquid Heparin (one-stage)</td>
<td></td>
<td>Homocysteine</td>
</tr>
<tr>
<td>Heparin (two-stage)</td>
<td></td>
<td>ThromboPath&lt;sup&gt;*&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D-Dimer</th>
<th></th>
<th>Fibrinolysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Dimer HS 500</td>
<td></td>
<td>Plasminogen</td>
</tr>
<tr>
<td>D-Dimer HS</td>
<td></td>
<td>Plasmin Inhibitor</td>
</tr>
<tr>
<td>D-Dimer 500&lt;sup&gt;*&lt;/sup&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D-Dimer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<sup>*</sup>Not currently 510(k) cleared.

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**Coagulation Factors**

- Intrinsic Factors
- Extrinsic Factors
- FXIII Antigen

**von Willebrand Disease**

- VWF Antigen
- VWF Activity
- VWF:RCo<sup>*</sup>

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**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.
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.

Fully customizable for labs of any size

- User-configurable settings
- Cap-piercing option
- Laboratory Automation System option
# ACL TOP Family Technical Specifications

## Test menu

### System configurations
- ACL TOP 700
- ACL TOP 700 CTS
- ACL TOP 700 LAS
- ACL TOP 500 CTS
- ACL TOP 300 CTS

### Throughput

<table>
<thead>
<tr>
<th>System</th>
<th>PT</th>
<th>APTT</th>
<th>PT and APTT</th>
<th>APTT</th>
<th>PT and APTT</th>
<th>APTT</th>
<th>PT and APTT</th>
<th>APTT</th>
<th>PT and APTT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACL TOP 700</td>
<td>360</td>
<td>320</td>
<td>330</td>
<td>270</td>
<td>260</td>
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<td>ACL TOP 700 CTS</td>
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<td>270</td>
<td>270</td>
<td>270</td>
<td>280</td>
<td>300</td>
</tr>
<tr>
<td>ACL TOP 700 LAS</td>
<td>240</td>
<td>220</td>
<td>260</td>
<td>180</td>
<td>180</td>
<td>240</td>
<td>220</td>
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<td>ACL TOP 500 CTS</td>
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<td>180</td>
<td>180</td>
<td>260</td>
<td>220</td>
<td>270</td>
<td>230</td>
</tr>
</tbody>
</table>

Throughput from the LAS Track is dependent upon factors such as LAS Track configuration and settings.

### Patient samples results database

- 20,000 samples

### Samples onboard

- ACL TOP 700
- ACL TOP 700 CTS
- ACL TOP 700 LAS
- ACL TOP 500 CTS
- ACL TOP 300 CTS

<table>
<thead>
<tr>
<th>System</th>
<th>Samples onboard</th>
<th>Patient samples results database</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACL TOP 700</td>
<td>120</td>
<td>20,000 samples</td>
</tr>
<tr>
<td>ACL TOP 700 CTS</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>ACL TOP 700 LAS</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>ACL TOP 500 CTS</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>ACL TOP 300 CTS</td>
<td>26</td>
<td></td>
</tr>
</tbody>
</table>

### Reagents onboard

- ACL TOP 700
- ACL TOP 700 CTS
- ACL TOP 700 LAS
- ACL TOP 500 CTS
- ACL TOP 300 CTS

<table>
<thead>
<tr>
<th>System</th>
<th>Reagents onboard</th>
<th>Patient samples results database</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACL TOP 700</td>
<td>60</td>
<td>20,000 samples</td>
</tr>
<tr>
<td>ACL TOP 700 CTS</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>ACL TOP 700 LAS</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>ACL TOP 500 CTS</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>ACL TOP 300 CTS</td>
<td>26</td>
<td></td>
</tr>
</tbody>
</table>

## Dimensions (w x d x h)

<table>
<thead>
<tr>
<th>System</th>
<th>Dimensions (w x d x h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACL TOP 700</td>
<td>151 x 76 x 73 cm</td>
</tr>
<tr>
<td>ACL TOP 700 CTS</td>
<td>151 x 76 x 73 cm</td>
</tr>
<tr>
<td>ACL TOP 700 LAS</td>
<td>188 x 87 x 162 cm (includes integrated table)</td>
</tr>
<tr>
<td>ACL TOP 500 CTS</td>
<td>110 x 82 x 73 cm</td>
</tr>
<tr>
<td>ACL TOP 300 CTS</td>
<td>81 x 84 x 73 cm</td>
</tr>
</tbody>
</table>

## Weight

<table>
<thead>
<tr>
<th>System</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACL TOP 700</td>
<td>150 kg</td>
</tr>
<tr>
<td>ACL TOP 700 CTS</td>
<td>160 kg</td>
</tr>
<tr>
<td>ACL TOP 700 LAS</td>
<td>184 kg (includes integrated table)</td>
</tr>
<tr>
<td>ACL TOP 500 CTS</td>
<td>141 kg</td>
</tr>
<tr>
<td>ACL TOP 300 CTS</td>
<td>91 kg</td>
</tr>
</tbody>
</table>

## Werfen Group

**Worldwide Locations**

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