SAMPLE MASTER® LIMS

TOTAL DATA MANAGEMENT SOLUTION

Accelerated Technology
LABORATORIES INC.

Peace of mind in managing your laboratory
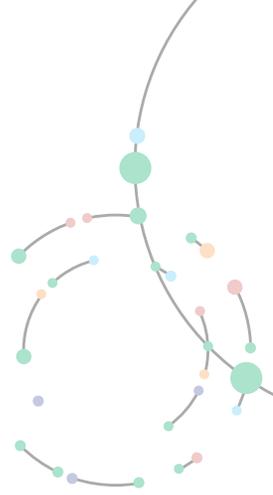
55%

reduction in sample
lifecycle process time

- Increased operational efficiency, improved productivity, and profitability
- Higher data quality and resource utilization
- Premises-based or hosted (Cloud or SaaS) solutions
- Accurate, customizable reporting
- Robust data security
- World-class support

About Sample Master LIMS

Accelerated Technology Laboratories pioneered Windows-based LIMS more than 25 years ago. After 600+ installations, we remain committed to delivering the latest technology backed by continuous improvement and world-class support.

A market-leading laboratory automation solution, **Sample Master® LIMS** offers an intuitive user interface, Master Query functionality, powerful scheduling, integrated calculations, configurable captions, automated alerts, and reporting. Users can customize features and functions, and take advantage of Sample Master's flexible design and optional enhancements to meet their specific needs.

Sample Master LIMS accelerates accurate reporting, multiplies productivity, increases operational efficiency.

Features

500+
instruments in integration library

- Dashboard and Client Portal
- Configurable System and Real-time Alerts
- Barcoding and Audit Trail
- Automated Calculations and Limit Checking
- Internal Chain of Custody
- ELN and Instrument Integration
- Flexible Reporting and Electronic Data Deliverables
- Chemical and Reagent Inventory
- CRM and QA/QC
- Powerful Scheduling
- Project and Resource Management
- Regulatory Compliance

Major Functions

Sample Master's flexible design allows the user to purchase the features and functionality they need. Scale and add features and functions to accommodate growth in your business. Choose from the following:

Sample Tracking

- Automate functions such as log-in, generate barcode labels, create quotes, convert to orders

- Create invoices that can be electronically exported to numerous accounting packages such as QuickBooks and Peachtree

- Generate reports, including Chain of Custody, login report, and sample conditions

- Scan supporting documentation or attach files to an order (PDF, Word, Excel, etc.)

- Create, maintain, and email work lists

Data Entry

- Create QC batches and custom reports

- Check the audit trail

- Run a trend analysis

- Track GIS (Geographic Information System) coordinates

- Configure unit conversions, sig figs, and decimals

- Leverage the Master Query function to quickly mine data and view more than 80 canned reports

Sample Scheduling

- Automatically pre-log samples for routine collection; scheduled as daily, weekly, monthly, quarterly, semi-annually, annually, or by study

- Print calendar

- Reschedule for holidays

- Prepare sample collection kits in advance, with routing sheets, labeled bottles, and email alerts for the field collection team

QA/QC

- Graph results and create control charts

- Configure tests (QC, matrix spikes, blanks, duplicates, surrogates, matrix spike duplicates)

- Manually enter control limits or calculate from historical limits

- Use the Master Query to select data to report or graph (test, sample number, method, site, analyst)

- MDL, BOD, MPN and other calculators

Electronic Data Transfer

- Transfer data electronically from the LIMS (worklist) to the instrument, and, once the data is captured, export to the LIMS

- Use Task Manager to scan specific directories at user-definable times seeking files to import, or specify the exact files to use in the case of multiple runs or dilutions for a sample

- Create Electronic Data Deliverables (EDDs) without programming

Chemical and Reagent Inventory

- Track supplies and vendors to assign prices and expiration dates, monitor lot numbers

- Automate back office information to improve purchasing decision making

- Set email alerts to reorder supplies approaching expiration date or reaching critical limits

Resource Management

- Set up instrument calibration schedules and personnel certificate renewal alerts

- Manage instruments, calibrations to ensure regulatory compliance

Customer Relationship Management

- Support system deviations through an organized method of tracking, monitoring, and rapidly resolving potential problems

- Execute corrective and preventative actions, and track progress

LIMS Maintenance

- Store and update set up information and default settings (number format, QC batch ID, employees, permissions, tests, methods, limits, prices, departments, ID formats, reports)

- Configure the LIMS to conform to the workflows and business rules of the laboratory

99.99% system availability

48% improvement in laboratory processing capability

8-12 months payback period

Enhancements[*]

Additional functionality is available in the form of optional product enhancements. Improve your Sample Master experience with:

Result Point® — a secure Web portal that allows clients to access their data 24/7; view status and results, check limits, view or print reports in PDF, Excel, or other common file formats.

Request Point — a secure LIMS kiosk, which allows clients to remotely submit samples to the laboratory 24/7 and even pay online. Users can print a chain of custody form to be sent along with the samples to the laboratory.

iMobile — a Web application that leverages Wi-Fi, 3G/4G/5G technologies to facilitate real-time mobile data collection and delivery of test data back to the LIMS.

ExcelExpress (for use with Sample Tracking, Data Entry and EDT) — a powerful Microsoft Excel add-in with intelligent algorithms that allow the user to easily retrieve information from and import results into Sample Master® on demand. ExcelExpress can import data from any Excel worksheet with data in rows, columns, or tables. Use this enhancement to quickly enable instrument integration, import bench sheets, import subcontractor data, export to databases or statistical packages using the query function, and eliminate transcription errors.

Monitor Plus — an integrated, wireless, portable, continuous monitoring solution that collects temperature, light, humidity, and pressure data from freezers, refrigerators, incubators, humidity chambers, greenhouses, and ovens. These readings are transmitted to a Web portal. Features cellular backup, real-time alerts, and enhanced reporting capabilities with full regulatory compliance.

*(additional cost)
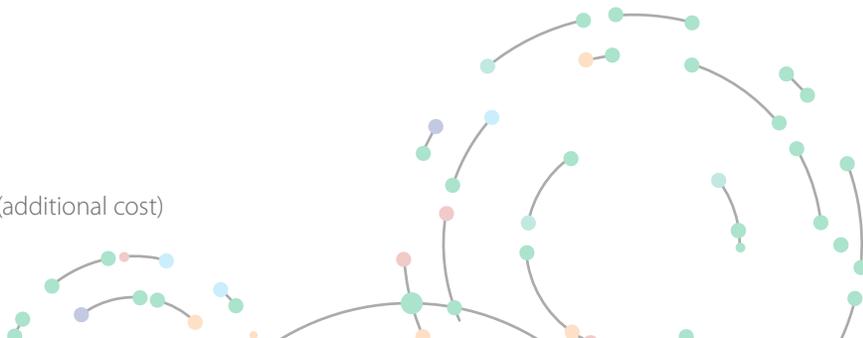
Workstation/SaaS

Sample Master is available as a premises-based or hosted solution. Whether you have your own IT staff and maintain your own equipment and manage upgrades or leave it up to ATL, you'll enjoy the same features and benefits of the LIMS. We can help you decide which solution is better for you.

Workstation

- Requires staff and support for maintenance, upgrades, security
- Must perform maintenance, including system monitoring backups, and storage management
- Needs a disaster recovery plan and ability to restore

SaaS

- Secure, on-demand 24x7 self-service software delivery model
- Scalable
- Cost-effective—No investment in hardware infrastructure, security, IT support, database and other software licenses; subscription fee includes costs of software maintenance and support

Partnerships, Certifications

- ISO 9001:2015
- Microsoft Gold Partner
- VMWare Ready Certified
- Citrix Ready Certified

World-class Support

Sample Master is simple to deploy and use; ATL clients are typically live within 4–6 months. After the implementation, the software is backed by a comprehensive support plan. GOLD and PLATINUM plans include a dedicated Account Manager, live Support Engineers, free product upgrades, and more.

In addition to on-site and Web-based training, ATL hosts annual, in-person LIMS Boot Camp courses led by certified instructors. Our quarterly newsletters illustrate our dedication to keeping customers informed of industry news. ATL professionals work closely with users to develop and execute a sound implementation plan that includes installing their LIMS software, and training their database administrator and users on the features and functions of the system. Complete user satisfaction and client success are our top priorities.

Industries We Serve

- Fortune 500 companies and
- Water and wastewater
- Environmental
- Analytical
- Food and beverage
- Energy (coal, electrical, nuclear)
- Cannabis
- Chemical
- Manufacturing
- Government
- Industrial hygiene
- Public health
- Biotechnology
- Forensics
- Clinical testing

14+

industries/GSE

Accelerated Technology Laboratories Inc.

Founded in 1994, Accelerated Technology Laboratories, Inc., launched the first commercially available Windows-based Laboratory Information Management System (LIMS). More than two decades and several hundred installations later, Sample Master is a market-leading solution with thousands of users around the world. ATL is recognized for our strong commitment to quality, investment in research and development, and team of professionals. We hire experts with impeccable academic credentials in the fields of chemistry, engineering, water and wastewater, microbiology, medical technology, toxicology, biotechnology, laboratory management, validation, software development, computer science, engineering, and business. Several hold MS and Ph.D. degrees. ATL professionals are highly sought-after speakers and thought leaders. We are actively involved in the scientific community. Our affiliations and partnerships allow us to deliver the most current leading-edge technology to our users. ATL also offers TITAN LIMS, enhancement products, support, and consulting services worldwide.

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