



AUTOMATING DRUG TESTING WORKFLOWS FOR A NATIONAL FORENSIC LAB

How a leading forensic lab modernized test scheduling, reporting, and data security with Qatalys.

OVERVIEW

A leading U.S.-based drug testing laboratory needed to modernize its test scheduling and reporting processes.

Manual workflows were time-consuming, prone to errors, and unable to keep pace with growing demand.

Qatalys developed a secure, n-tier web-based system that automated random test scheduling, notifications, and order management.

The solution streamlined operations, reduced turnaround time, and enhanced data security, enabling the client to deliver faster and more reliable services to its customers.



THE CHALLENGE

The laboratory's legacy systems struggled to manage increasing test volumes and evolving compliance requirements. Key issues included:



MANUAL SCHEDULING

Random drug test scheduling was slow and error-prone, leading to inefficiencies in managing lab workloads.



INEFFICIENT REPORTING

Generating and delivering reports took significant time, delaying results for clients.



LACK OF AUTOMATION IN ORDER MANAGEMENT

Test orders and shipping tracking were handled manually, creating gaps in visibility and accountability.



DATA SECURITY CONCERNS

Sensitive forensic data required stricter security controls to protect against unauthorized access.

The client needed a scalable, secure solution that could integrate and automate these processes while ensuring compliance with regulatory standards.

THE SOLUTION

Qatalys designed and delivered an n-tier web system tailored to the client's forensic testing needs.

The solution automated core processes while embedding strict security protocols.

Key features included:

- ✓ [Automated random test scheduling](#) to eliminate errors and ensure compliance.
- ✓ [Lab notifications system](#) to keep stakeholders informed of upcoming or completed tests in real time.
- ✓ [Integrated order management and shipping tracking](#) for end-to-end visibility of test orders.
- ✓ [Role-based access controls](#) ensuring that sensitive data could only be accessed by authorized personnel.
- ✓ [Data encryption](#) to protect confidential forensic information across all workflows.

The platform was scalable, enabling the lab to handle higher volumes without compromising performance or security.

THE IMPACT

The implementation delivered measurable improvements:

1

Faster Turnaround -
Reports in hours, not
days

2

Improved Efficiency -
Reduced manual
intervention

3

Enhanced Security -
Data encrypted +
access controlled

4

Scalability -
System handles
increased workloads

KEY TAKEAWAYS

Through automation and secure system design, Qatalys helped the forensic laboratory modernize its testing workflows and achieve significant efficiency gains.

The solution enabled faster reporting, better workload management, and ensured that sensitive data was safeguarded, reinforcing the lab's credibility and reliability in the highly regulated forensic testing sector.



Faster
Reporting



Protected
Sensitive Data



Efficiency +
scalability gains



READY TO SCALE WITH US?

Qatalys helps organizations modernize workflows, enhance security, and scale operations with technology.



Contact: engage@qatalys.com

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