LabOS genetics

Built by Geneticists for Geneticists, LabOS provides a comprehensive view of patient data, empowering labs to deliver precise and unified reports.

Consolidating patient history and familial connections for thorough genetic analysis, LabOS tracks genetic and pathology procedures, enabling unified reports for informed decision-making.

STREAMLINE ANALYSIS AND FUNCTIONALITY

LabOS Genetics provides various interaction methods, including touchscreen or barcode activation, seamless Excel integration, rich text entry, and an advanced text processor with preset templates.

Patient result reports are fully customizable, allowing labs to adjust layouts and formats per procedure or patient, and edit results before applying an electronic signature.
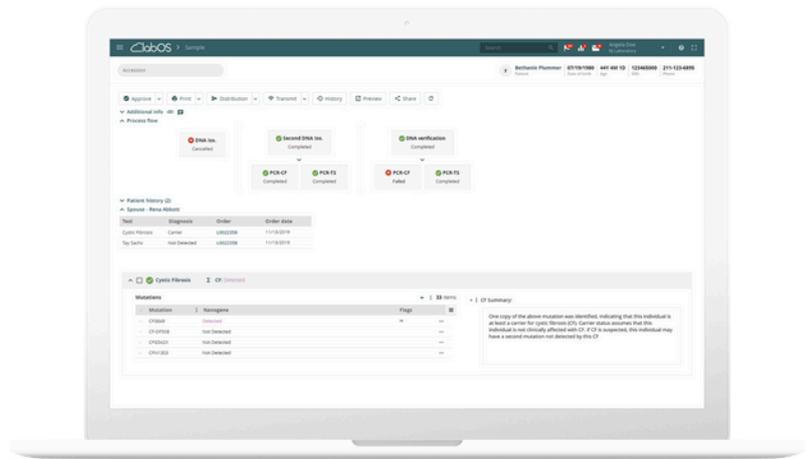
KEY FEATURES

LabOS Genetics provides a range of advanced features designed to streamline workflows, enhance efficiency, and ensure compliance, including:

- Real-time all-in-one dashboard for alerts and tasks
- Full integration with EHRs and diagnostic devices - no middleware needed
- Advanced digital tools for a fully paperless environment
- Comprehensive support for genetic instrumentation, including DNA extraction robots, PCR machines, NGS platforms, and more
- Rule-based formula engine for seamless automation
- Full visibility into lab tray/wells status with color-coded results, personnel, and more
- Support for pathology, FISH, and flow cytometry to provide a complete clinical view

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PRECISION SAMPLE AND SLIDE MANAGEMENT ⌄

LabOS Genetics supports highly configurable workflows tailored to precise sample tracking and production needs.

The system ensures every step is monitored and optimized with custom dashboards and screens that offer a clear overview of relevant data and statuses to ensure accuracy during repetitive tasks.

Automated verification at critical stages reduces errors and enhances reproducibility, and real-time tracking provides full visibility for labs to efficiently manage every step of the genetic analysis.

STAY AHEAD OF THE CURVE - SCHEDULE YOUR DEMO

☑ OPERATIONAL FLEXIBILITY
Configurable workflows and custom screens enable labs to refine processes or adopt new ones, ensuring flexibility and control for enhanced efficiency.

☑ RULE-BASED ENGINE
The powerful rule-based engine routes samples and tests through customized workflows, such as withholding abnormal results for verification, enhancing accuracy and compliance.

☑ AUDIT READINESS
Simplified audit preparation without disrupting daily operations by automated documentation tracking and real-time reporting for CAP, AABB, and CLIA compliance inspections.

☑ AUTOMATED DECISION MAKING
Automates actions like testing family members of carriers and supports high-throughput sequencing, while managing both known mutations and unknown variants for future analysis.

☑ NO MIDDLEWARE REQUIRED
Direct integration with EHRs and diagnostic devices, with real-time data exchange, reduced complexity, and enhanced efficiency.

☑ PAPERLESS
LabOS Genetics digitally captures every stage of complex genetic testing, from pre- to post-analytical phases, ensuring a complete, paperless record of the specimen lifecycle.