ᵀᴰNexLabs®

Livextens

Efficiency at your fingertips

A laboratory information system designed to improve the quality of care and performance in your laboratory

ᵀᴰNexLabs software contributes to rapid and accurate diagnosis. It provides you with powerful quality control features, and optimizes your production resources for greater efficiency.

Dynamic Information management

Flexibility

Interoperability & Performance

Quality & Accreditation

Health informatics for the Laboratory
Designed for Patient Safety

TECHNIDATA
MEDICAL SOFTWARE
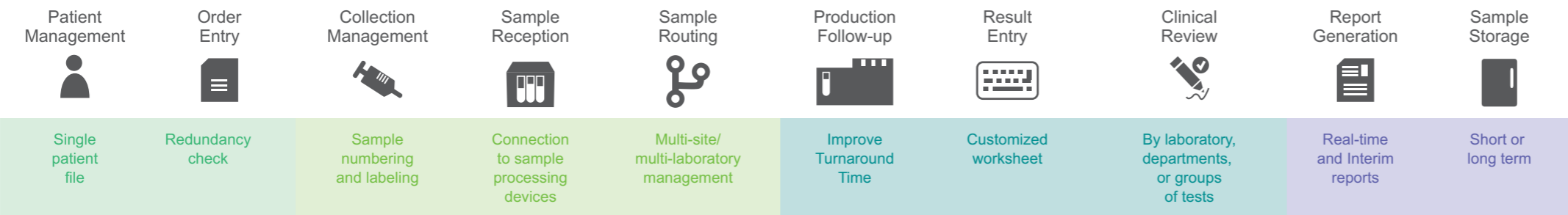
ᵀᴰNexLabs®
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A blend of technologies to enhance your laboratory

Keep up-to-date with a scalable solution to manage **multi-site** and **multi-discipline** configurations, with a single LIS.

Maintain excellent **performance,** even during peaks of activity, without compromising on features: ᵀᴰNexLabs offers **fast response times** and **high availability**.

Benefit from a **real-time decision-making solution** with a high level of **traceability** and **quality**.

Quality & Accreditation

- Helps to comply with Quality Management standards (ISO 15189, CAP 15189, etc.)
  - ➲ Facilitate the laboratory accreditation process
- Powerful audit features at all levels: request, sample, patient, etc.
  - ➲ Enhance traceability
- Non-conformity management
  - ➲ Improve the quality of care
- Document management module
  - ➲ Fully compliant with the requirements of ISO 15189

Patient Management	Order Entry	Collection Management	Sample Reception	Sample Routing	Production Follow-up	Result Entry	Clinical Review	Report Generation	Sample Storage
Single patient file	Redundancy check	Sample numbering and labeling	Connection to sample processing devices	Multi-site/ multi-laboratory management	Improve Turnaround Time	Customized worksheet	By laboratory, departments, or groups of tests	Real-time and Interim reports	Short or long term

Dynamic information management

- Lively ergonomics through a user-friendly interface
  - ➲ Save time with streamlined data entry and readability
  - ➲ Minimize the required training time of your staff
- Dynamic and smart information management
  - ➲ Keep focused on essential information
- Simple installation of updates by users
  - ➲ Become more autonomous
- Easy system installation
  - ➲ Save time during installation, and reduce costs
- Real-time supervision of the infrastructure, application and communication
  - ➲ Benefit from easy maintenance and optimized system availability and performance

Flexibility

- Multi-site, multi-laboratory and multi-discipline management
  - ➲ Optimize resources easily between the sites of your organization with a high level of customization
- A shared patient file
  - ➲ Improve diagnosis and reduce unnecessary tests
- Accurate user-rights management
  - ➲ Ensure patient privacy, HIPAA compliant
- Flexibility in configuration management (add sites, laboratories, etc.)
  - ➲ Simplify changes to your organization
- Centralized and shared dictionaries
  - ➲ Save time when configuring your organization

Interoperability & Performance

- High flexibility to match workflows and organizational needs
  - ➲ Save significant time from specimen collection to storage, through specimen reception, dispatching and packing list management
- Secure and full specimen identification
  - ➲ Avoid errors at collection time
  - ➲ Route specimens accurately
- Real-time rule-based system based on intuitive IF, THEN, ELSE logic
  - ➲ Manage exceptions and alerts
  - ➲ Customize expert rules easily
- Prescription redundancy check to avoid unnecessary tests
  - ➲ Improve the laboratory turnaround time
  - ➲ Reduce costs and rationalize work

Interoperability

A key factor for integration in healthcare organizations

A powerful communication engine

Use of standard communication protocols (HL7, ASTM)

- **+** For a simplified interface with any Hospital Information System (HIS)
- **+** For immediate interfacing with more than 500 different types of analyzers

Robustness

A system you can rely on

- **+** Ensure continuity of service
- **+** Save time during backup
- **+** Guarantee fast response times
- **+** Ensure disaster recovery with limited data loss, thanks to regular snapshots
- **+** Reduce operating costs

Optimize your lab organization with a team of experts at your service

- **+** Consultancy and audit of laboratory organization and workflow
- **+** Installation follow-up
- **+** Training and assistance

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Livextens

Efficiency at your fingertips

Features

Laboratory management

- Multi-site and multi-laboratory management capabilities
- All disciplines covered (Clinical chemistry, Immunology, Hematology, Serology, Virology)
- Customization of dictionaries and tables
- Management of billing and statistics
- Management of archived reports in PDF format
- Integration of scanned external reference lab reports

Patient privacy

- Sophisticated user-rights management
- Confidentiality of consolidated results for review and display

Request management

- Manual or automatic creation of test requests
- Electronic result reporting (secure email, fax)

Specimen management

- Specimen collection and identification
- Specimen and order dispatching
- Specimen storage, routing and tracking
- Specimen packing list management

Production follow-up

- Technical and clinical review of results
- Real-time expert-rule system
- Consolidation and distribution of results
- Customizable real-time alerts
- Instrument interfaces and result acquisition
- Interface with more than 500 analyzer types
- Quality control

Quality management

- Comprehensive and chronological audit trail
- Instrument quality control management

Companion solutions

- Document management module
- Non-conformity management module
- TDAnalytics, Advanced statistics management
- TDWorkstation Evolution, Instrument management
- TDWeb, Web request & results management
- TDSupervision service
- TDPatient, Web results server for patient

Technical overview

- Client PCs running on the Windows operating system, standard (HL7) or customized protocols for medical data to interface with any HIS
- Support for virtual machine configurations (VMware)
- Real-time backup by snapshots