

The logo for LDM Laboratory Data Manager is centered at the top of the page. It features the letters 'LDM' in a large, blue, sans-serif font. Below 'LDM' is the text 'Laboratory Data Manager' in a smaller, blue, sans-serif font. A small 'TM' trademark symbol is positioned to the right of the 'M'. The logo is enclosed within a circular graphic composed of overlapping blue and purple rings.

LDMTM

Laboratory Data Manager

Key benefits

- Increased patient safety.
- Streamlined workflow.
- Continuous monitoring of work progress and sample locations.
- Direct interface with all analyzers lab automation and pre analytical systems.
- Complete billing module covering services, price lists, discounts and health insurance coverage.
- HL7 integration with other systems.
- Very Easy Operation.
- Multi user security levels and privileges.

LDM is a high performance, comprehensive Laboratory Information Management System (LIMS) that controls the day-to-day laboratory operations.

LDM is designed to provide laboratories with an efficient and flexible workflow and help them to reach their goals of productivity and cost efficiency. It can be customized to meet the needs of a wide variety of laboratories either in public health hospitals, clinical centers, and private laboratories.

LDM covers all functional areas of modern multi-specialty laboratory, starting from patient registration, sample collection, test requisition entry, to the final result reporting.

It allows full process workflow automation, minimizes the data input and retrieval time, provides better data manageability and achieves highest level of standardization and orderliness.

LDM Modules

Basic System Modules

LDM consists of a suite of innovative software modules and processes some of them come as core system modules to run basic laboratory functions which are as follows:

- ✓ System setup utilities.
- ✓ Patient registration.
- ✓ Test requisition entry.
- ✓ Sample bar-coding.
- ✓ Sample tracking.
- ✓ Quality control.
- ✓ Billing and payment.
- ✓ Medical necessity check.
- ✓ Work order distribution.
- ✓ Result reviewing and verification.
- ✓ Enterprise reporting.
- ✓ Statistics and workload analysis reports.

System Modules

The core application is surrounded by some optional modules to expand on the workflow features and offer increased functionality. These optional modules are as follows:



Sample Tracking

Bar-coded samples are scanned when moved from sample collection to distribution, preparation, analysis till storing or disposal. LDM tracks the location and custody of each individual sample, thus locating any missing samples, follow chain of custody for particular sample and providing valuable reports about average turn around time (TAT) in any location or processing station.



Analyzers' Interface

Automating data exchange between LIMS and automated laboratory analyzers dramatically speeds up the analysis process and eliminates many potential sample programming and results typing errors. Analyzers identify bar-coded samples ID's and receive their work orders from LDM. Results are transmitted from analyzers to LDM as soon as they are available. LDM interfaces to 230+ different clinical analyzer models including core laboratory automation systems, pre analytical instruments down to smaller analyzers.



Quality Control

LDM sophisticated quality control features make quality control management quick, efficient and easy. Configurable Westgard and Levi Jenning rules and support for qualitative and quantitative quality control to get the most from your quality control data. LDM provides clear quality control monitoring graphs, immediate access to quality control records and a set of comprehensive daily and cumulative reports.





Results Auto Verification

LDM automatically applies user defined algorithms on results without the need for human intervention. This action could be the immediate verification of a result, repeat analysis, reflexive testing, addition of comments, or suggested manual steps including manual review of the result. Auto verification ensures that every result consistently receives the same review process.



Integration

LDM integrates with hospital information systems, HIS, EMR, financial systems and other laboratories using standard HL7 protocol and implementing ICD10, LOINC and CPT 4 codes. Custom Integrations are developed for systems not supporting the HL7 format.



Web Based Reporting

Laboratory results reports can be viewed, saved and printed online. Web based reporting saves the time and effort consumed during collection of printed results. It can be securely used by hospitals, other laboratories, doctors' clinics and patients.



Outreach

LDM outreach add-on module helps physicians, poly clinics; smaller laboratories make electronic ordering directly to LDM and receive results over the internet or mobile. It enables you to run a more efficient, effective and profitable outreach and lab to lab referral business, by helping:

- Improve turnaround time for test result delivery with real-time connectivity.
- Differentiate your laboratory from competitors with private branding of laboratory services.
- Eliminate the need to re-label samples when they arrive in the laboratory with instrument-ready bar-code specimen collection labels produced in the collection facility.



Billing

LDM supports multiple pricing policies and price lists. The system monitors credit limits and insurance coverage for each and every work order. LDM captures charges while accounting for credit rules, order cancelations or merges and special charging requirements. Client invoices are generated easily and hospital patient charges are sent automatically to the financial system





Mobile Application*

With LDM mobile application doctors are notified as soon as results (critical, abnormal or all) are released with the option of online viewing, download or sharing with others. Independent laboratories notify their patients as well. Laboratories can send specific messages to specific patients with personalized health tips, reminders and greetings.

*Available for Android and IOS



System Management & Event Alerting

LDM monitors and analyzes all operational and technical events that occur in the system, and then directs important alerts to designated persons. Operational issues like results delays are directed to laboratory supervisors, quality control violations are directed to quality control officer while technical issues are directed to IT staff, all with escalation policies if not resolved in a defined period of time.



Maintenance Manager

Maintenance Manager helps improve equipment maintenance, extend asset life, and reduce part inventories - resulting in lower operating costs. It helps schedule preventive maintenance, inspections, track work orders and generate reports. These features result in maintaining asset value and more efficient maintenance practices.

For more info please contact us at +202 2671 4817, +202 2672 1240

National Technology is a leading provider of integrated laboratory and clinical information systems for healthcare industry in the Middle East. We are committed to combining the most effective technologies, innovative designs and production methodologies to create user-friendly, robust and cost-effective solutions that would enhance productivity, competitiveness and fulfill the operational needs of our customers. National Technology provides world-class laboratory LIMS, middleware software as well as blood bank software and POCT systems.

