### Hi Hostune

# LABORATORY MANAGEMENT SYSTEM

Powered By
Hostune Labs Pvt Ltd

Hostune Labs Pvt Ltd

CIN: U72900KL2021PTC072629

KOCHI | KOLLAM | PALAKKAD

9744554567, 9048927482, 9446623322 info@hostune.in | www.hostune.in



## **Tune LIS**

















### Tune LIS at a Glance





Patient Management & Billing



Sample & Test Management



**Instrument Integration** 



Results Management & Reporting



Quality Control (QC) & Compliance



**Analytics & Reporting** 



**Inventory & Reagent Management** 



**Multi-Platform Access** 



**User Management & Security** 



Regulatory & Customizable Alerts



Advanced Interoperability (FHIR & HL7 Integration)





### **Patient Management & Billing**

- Patient Registration and Demographics.
- Appointment and Scheduling Management.
- EMR and HIS Integration.
- Test Orders and Sample Tracking.
- Test History and Longitudinal Reporting.
- Patient Portal Access.
- Feedback and Communication Management.
- Privacy and Security.





- Automated Billing and Invoicing.
- Multiple Payment Options.
- Insurance and Third-Party Billing.
- Discounts and Promotions Management.
- Billing for Referral and Partner Labs.
- Tax and Compliance Handling.
- Accounts Receivable (AR) Management.
- Financial Reporting and Analytics.
- Error and Fraud Detection.
- Integration with ERP and Accounting Systems.



### Improved Operational Efficiency:

Automates routine tasks like scheduling, invoicing, and reporting.

#### **Enhanced Patient Satisfaction:**

Offers patients real-time status updates and easy access to reports.

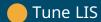
#### **Financial Transparency:**

Ensures accurate and compliant billing

### **Data Integrity and Security:**

Protects patient and financial data through encryption and audit trails.

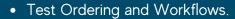




### Sample and Test Management

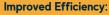
- Sample Accessioning and Identification.
- Sample Collection Tracking.
- Sample Storage Management.
- Chain of Custody Tracking.
- Sample Rejection Handling.
- Sample Disposal and Retention Management.
- Automate notifications





- Automated Test Assignment.
- Instrument Integration and Data Transfer.
- Turnaround Time (TAT) Monitoring.
- Quality Control (QC) Management.
- Result Validation and Reporting.
- Test Result Delivery.
- Reflex Testing and Add-On Orders.
- Audit Trails and Regulatory Compliance.





Automate workflows to reduce manual errors and speed up operations.

### **Enhanced Traceability:**

Ensure complete tracking of samples and tests with audit trails.

#### **Compliance Support:**

Meet regulatory standards with pre-configured QC protocols.

### **Resource Optimization:**

Efficiently manage instruments, storage, and staff workload.







### Machine Integration

### **Process Flow**

- Sample Accessioning
- Instrument Routing
- Sample Processing
- Result Transmission
- Result Validation
- Report Delivery





- Middleware for Device Connectivity.
- Instrument Data Acquisition and Auto-Result Entry.
- Bidirectional Interface.
- Multi-Instrument and Multi-Vendor Support.
- Sample Workflow Automation.
- Maintenance and Calibration Alerts.
- Turnaround Time Monitoring and Optimization.
- Alerts and Error Handling.
- Data Security and Compliance.

### Improved Accuracy:

Reduces manual errors by automating data capture and entry.

### **Increased Efficiency:**

Accelerates sample processing with real-time data exchange.

### **Optimized Resource Use:**

Balances workload across instruments to avoid bottlenecks.

### **Better Decision Making:**

Provides instant access to instrument data and test statuses.





### **Result Management & Reporting**

### **Process Flow**

- Test Order
- Sample Collection and Processing
- Result Validation
- Report Generation
- Report Delivery
- Notifications
- Archiving





- Customizable Report Templates.
- Multi-Level Validation Workflow.
- Automated Report Delivery.
- Reflex and Add-On Testing Support.
- Configurable Report Release Rules.
- Historical Data and Cumulative Reporting.
- Compliance and Data Integrity.
- Multi-Language Reporting.
- Turnaround Time (TAT) Monitoring.
- Analytics and Reporting Insights.

### Accuracy, Reliability & Improved Efficiency:

Automated data entry and validation reduce errors.

Auto-validation and scheduled report delivery save time.

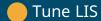
#### **Better Patient Care:**

Quick and accurate reporting allows timely medical interventions.

#### **Enhanced Communication:**

Physicians & patients receive results faster through automated channels.





### **Quality Control & Analytics**

- Pre-Analytical Quality Control.
- Automated Instrument QC Management.
- Control Material Management.
- Levey-Jennings Charts.
- Westgard Rules Application.
- QC Alerts and Notifications.
- Regulatory Compliance and QC Reporting.
- Proficiency Testing Management.





- Turnaround Time (TAT) Monitoring.
- Error and Rejection Analysis.
- Quality Control Performance Reports.
- Resource Utilization Reports.
- Patient Analytics and Demographics.
- Revenue and Billing Analytics.
- Predictive Analytics for Workflow Optimization.





### **Enhanced Accuracy and Reliability:**

QC protocols ensure consistent and reliable test results.

### **Compliance and Audit Readiness:**

Automated QC logs and reports simplify regulatory compliance.

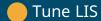
### **Data-Driven Decision Making:**

Predictive analytics help forecast needs and improve planning.

Improved Patient Outcomes:

Accurate and timely reporting improves patient care and treatment.





### **Inventory & Reagent Management**

- Stock Update
- Reagent Reservation
- Expiry Monitoring
- Usage Tracking
- Reorder Alert
- Restocking
- Compliance Check



- Real-Time Inventory Tracking.
- · Reagent Expiry and Stability Monitoring.
- Usage Forecasting and Demand Planning.
- Reagent Reservation for Scheduled Tests.
- Reorder Management and Vendor Integration.
- Barcode and QR Code Integration.
- Compliance and Traceability.
- Environmental Condition Monitoring.
- Inventory Reporting and Analytics.
- Integration with Test Workflow.

#### **Reduced Downtime:**

Ensure reagents are always available, minimizing workflow interruptions. **Improved Accuracy:** 

Prevent errors by blocking expired or incorrect reagents from being used. **Cost Efficiency:** 

Avoid overstocking and wastage with predictive inventory management. **Regulatory Compliance:** 

Maintain audit trails and traceability for inspections.





### **User Management & Data Security**

- User Account Setup
- Login and Authentication
- Role-Based Access
- Audit Logging
- Alert for Suspicious Activity
- Periodic Password Update
- Compliance Reporting



- Role-Based Access Control (RBAC).
- User Authentication and Login Management.
- User Activity Tracking and Audit Trails.
- User Groups and Departmental Management.
- Password Management Policies.
- Data Encryption and Secure Communication.
- Compliance and Regulatory Management.
- Alert and Notification System for Security Events.
- Backup and Disaster Recovery Management.
- Remote Access Management.

#### **Improved Accountability:**

User tracking ensures that all actions are recorded and auditable.

### **Data Privacy and Protection:**

Strong security measures protect sensitive patient information.

### **Error Prevention:**

Role-based access reduces the chance of data modification.

### **Incident Response:**

Alerts and notifications enable quick resolution of security issues.





### Multi-Location & Branch Management

- Sample Collection
- Sample Transfer
- Result Validation
- Cross-Branch Access
- Billing Management
- Performance Monitoring





- Branch-Level Role and Access Management.
- Sample Collection and Transfer Management.
- Test Distribution and Load Balancing.
- Inventory & Reagent Management Across Branches.
- Multi-Location Reporting and Analytics.
- Patient and Billing Management Across Branches.
- Data Synchronization and Backup Management.
- Quality Control Across Branches.
- Alerts, Notifications, and Incident Management.

### Improved Patient Experience :

Enable cross-branch service delivery with seamless access to reports .

#### **Centralized Control:**

Manage operations, user roles, and QC protocols from a central office.

### Scalability:

Easily add new branches and integrate them into the existing system.

### **Regulatory Compliance:**

Ensure all branches follow consistent guidelines for compliance & audits.





# THANK YOU FOR YOUR ATTENTION

With advanced features such as real-time reporting, automation, and analytics, an LIS not only optimizes day-to-day lab activities but also supports long-term growth and scalability. By improving operational efficiency, reducing errors, and ensuring better patient care, a robust LIS empowers laboratories to meet the evolving demands of modern healthcare environments.

### **Other Products & Services**

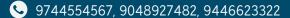
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