



# MediLab LIS

An advanced Laboratory Information System (LIS) by CCS for medical labs and hospitals, featuring extensive analyzer connectivity, automation, and web/mobile access.

<https://www.ccs.gr/>

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## Overview

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MediLab LIS is an advanced and full-featured Enterprise Laboratory Platform developed by Computer Control Systems S.A. (CCS), one of the most robust, productive, dedicated, and complete LIS solutions available today in Europe. The system has a proven record of continuous development for almost 40 years and is used 24/7 by hundreds of medical laboratories, hospitals, and medical centers (private and public) across SE Europe, the Balkans, and the Middle East.

## Key Capabilities

**Comprehensive Coverage:** Manages the diverse needs across all pathology laboratory departments, including Clinical Chemistry, Hematology, Coagulation, Virology, Immunology, Serology, Toxicology, Urinalysis, Microbiology, Molecular Biology, Cytogenetics, Flow Cytometry, Anatomic Pathology, Cytology, Blood Bank, and Blood Transfusion.

**Automation & Connectivity:** Offers extensive connectivity to over 400 models of analyzers and diagnostic instruments (unidirectional and bi-directional). It features efficient barcode automation for complete automation of all laboratory procedures, from sample tracking to result presentation.

**Interoperability:** Integrates seamlessly with other hospital IT systems such as HIS, ERP, EMR, and EHR using international protocols like HL7, DICOM 3.0, and ISBT 128.

**Quality Control (QC):** Includes an Automatic QC system to inspect and verify the reliability of measurements, applying statistical methods like Levey Jennings charts, Shewhart diagrams, and Westgard criteria.

**Workflow Management:** Provides configurable order management, specimen collection, accessioning tools, CPOE via interface with HIS or EMR, and flexible result entry (automated via file import or bidirectional interface, or manual key-in).

**Reporting:** Offers comprehensive reporting options using tools like Crystal Reports, and the ability to generate reports in Microsoft Excel, Word, or HTML format.

### Target Users and Benefits

MediLab LIS targets medium to enterprise-sized medical laboratories, hospitals, and medical centers. The system's benefits include improved turn-around times, increased capacity and volume, elimination of paperwork, and enhanced patient safety through fully-enforced quality checks and faster access to results for clinical physicians via web browsers and mobile devices.

## Key Features

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- Extensive Analyzer Connectivity (400+ models)
- Efficient Barcode Automation and Sample Tracking
- Automatic Quality Control (QC) Procedures
- HL7 Interoperability with HIS, EMR, and EHR
- Comprehensive Multi-Department Pathology Support
- Configurable Order Management (CPOE)
- Web and Mobile Access for Physicians and Staff
- Advanced Reporting Capabilities

## Pricing

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**Model:** enterprise

**Target Company Size:** medium, enterprise

## Integrations

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HIS, ERP, EMR, EHR, Medical Analysers (400+ models), SAP, Siemens, Cerner, Oracle, Microsoft, IBM, HL7 Gateway, DICOM 3.0, ISBT 128

## Compliance & Certifications

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HL7, ICD10, ICDO, SNOMED, LOINC, Read Codes, DICOM 3.0, ISBT 128, ISO certified (Company)

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