



# Roche Cobas

Integrated laboratory and point-of-care IT solutions for core lab automation, workflow management, and data integration across diagnostic systems.

<https://diagnostics.roche.com/>

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## Overview

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Roche Cobas is a comprehensive suite of in-vitro diagnostic systems and reagents, with the core software component being **cobas® infinity IT solutions** and the newer **cobas® infinity edge** platform. These solutions are designed to integrate and manage complex laboratory processes, providing a single point of control for pre-analytics, analytics, and post-analytics across a wide range of Roche and non-Roche instruments.

### Key Benefits & Capabilities

**Workflow Automation:** The software features a dynamic **Sample Workflow Engine** that uses a decision-based tree to visualize and control sample workflows, dynamically adjusting to changing lab scenarios and enabling paperless efficiency. It automates technical validation and supports clinical validation with auto-verification and eSignature capabilities.

**Data Integration & Connectivity:** It ensures open connectivity and is highly compatible with existing IT infrastructure, supporting industry standard protocols like **HL7 v2.x & v3.x, Native XML, SOAP Web Services, and IHE standards** for seamless integration with Laboratory Information Systems (LIS), Hospital Information Systems (HIS), and Electronic Medical Records (EMRs).

**Real-time Monitoring & Control:** The system offers real-time **Production Monitoring** to track workload, monitor potentially late samples, and provide notifications for instrument connections or order interruptions. Users benefit from customizable, browser-based work area screens that consolidate information and focus attention on critical data.

**Compliance & Security:** The platform is built with robust security features, including secured data transfer using **256-bit AES SSL** and support for **LDAP** and **Role-Based Access Control (RBAC)**. The cloud-based cobas® infinity edge solution is compliant with **ISO 27001, GDPR, and HIPAA**.

### Target Users and Use Cases

The software is scalable and customizable for low-, mid-, and high-volume laboratories, including Core Labs, Molecular Labs, Pathology Labs, and Point of Care settings. Primary use cases include centralizing lab operations, reducing turnaround time (TAT) for results, enhancing quality control management, and providing full traceability of samples from input to final result.

## Key Features

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- Sample Workflow Engine
- Lean/Auto-Validation & eSignature
- Real-time Production Monitoring
- Open Connectivity (HL7, XML, SOAP)
- Browser-based Access
- Customizable Work Area Screens
- Full Sample Traceability (RFID/Barcode)
- Integrated Quality Control (QC) Management

## Pricing

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**Model:** enterprise

Enterprise licensing and subscription model. Pricing is not publicly disclosed and requires direct consultation with Roche Diagnostics sales for a customized quote based on laboratory size, volume, and required modules/capabilities.

**Target Company Size:** small, medium, enterprise

## Integrations

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LIS (Laboratory Information System), HIS (Hospital Information System), EMR (Electronic Medical Record), Roche Diagnostic Instruments (Cobas Series), Third-Party Lab Instruments, Third-Party Digital Applications (via Cobas Infinity Edge Marketplace)

## Compliance & Certifications

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HIPAA, GDPR, ISO 27001, FDA 510(k)

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