

**cobas<sup>®</sup> infinity IT solutions**  
*Integration to the next power*

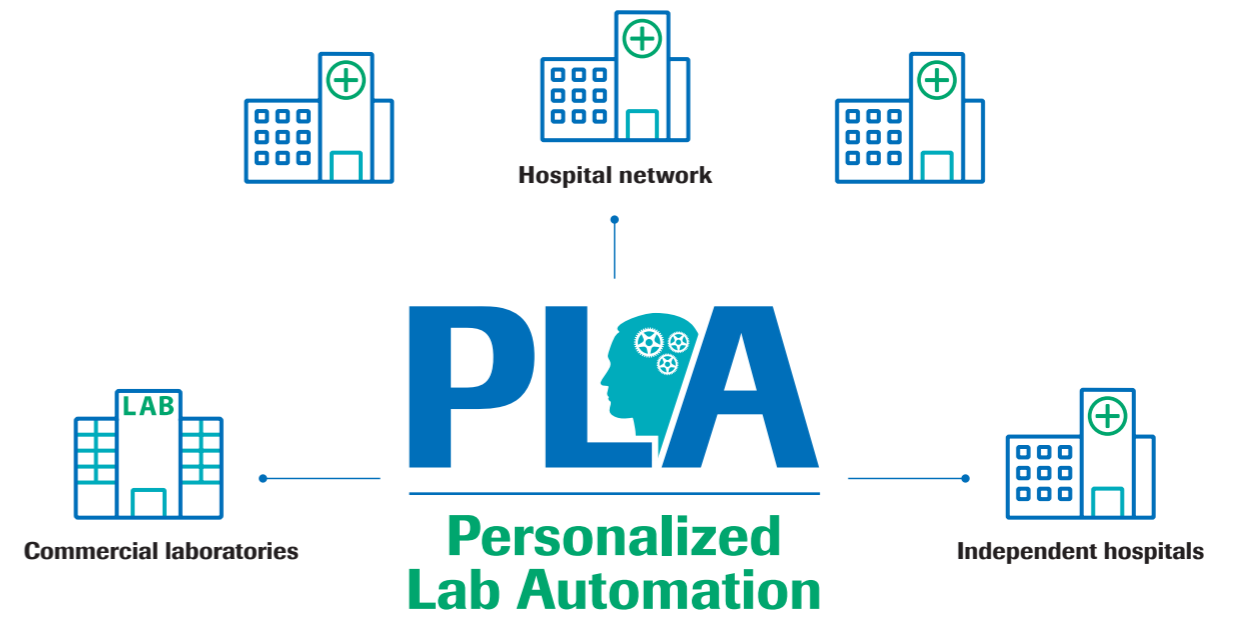
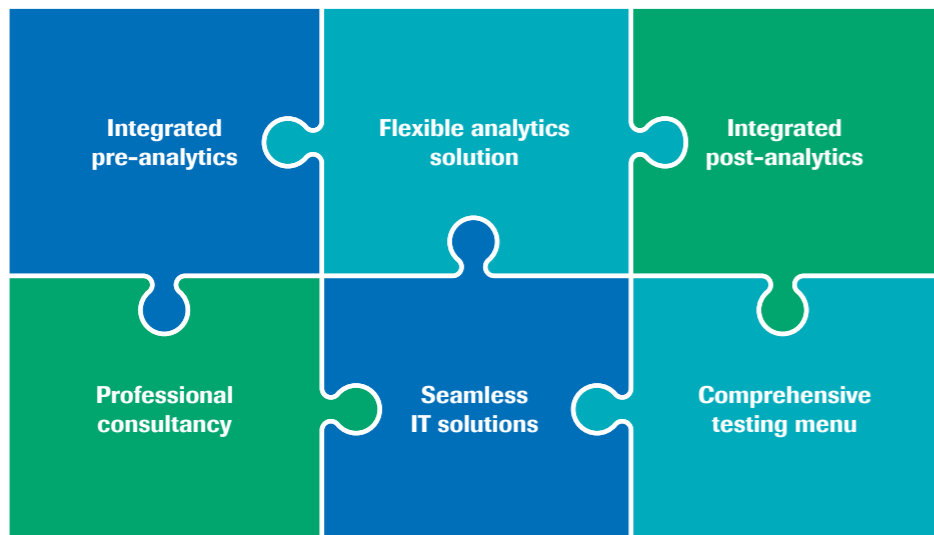


# Personalized Lab Automation

## Maximizing Testing Efficiency and Medical Value



At Roche, laboratory automated solutions deliver the quality and reliability you expect, with the personalization required by low-, mid- and high-volume laboratories.



### 1. Virtual Automation

To have the control you need, ensuring quality and efficiency across your lab, Virtual Automation gives you the capability to track your samples and reduce manual tasks through the cobas IT solutions.

### 2. Standalone Automation

Pre- and post-analytical tasks are automated, offering maximum efficiency through flexible standalone solutions. It significantly reduces manual steps in the lab, enhancing error handling, safety and process quality.

### 3. Connected Automation

In addition to having all the benefits of Standalone Automation, Connected Automation offers transportation. Physically connecting different instruments allows maximum predictability of time to test results.

# cobas® infinity IT solutions

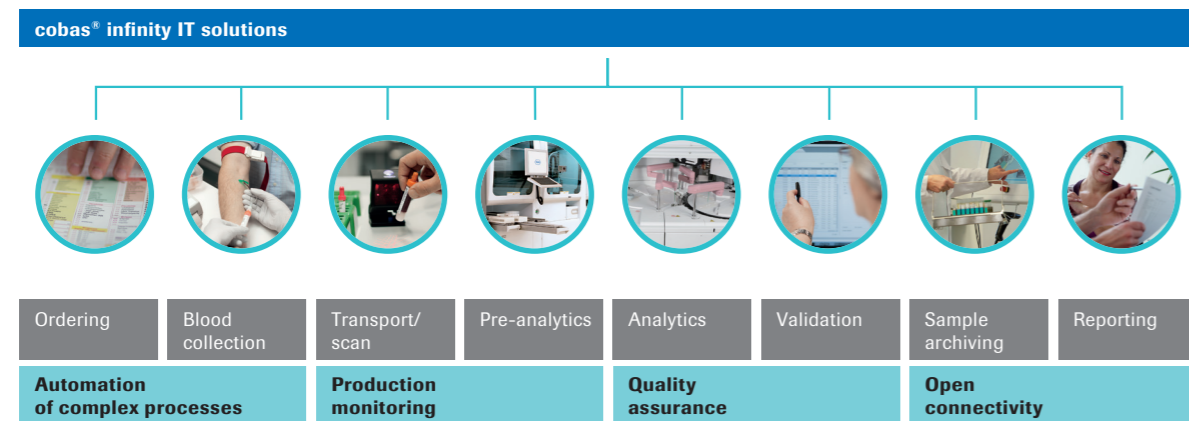
## Integration to the next power

*The intelligent use of Information Technology is critical for finding the balance between quality of results, turnaround times, testing productivity and cost efficiency.*

Roche Diagnostics has designed an innovative browser based application, from experts for people, **cobas® infinity** IT solutions.

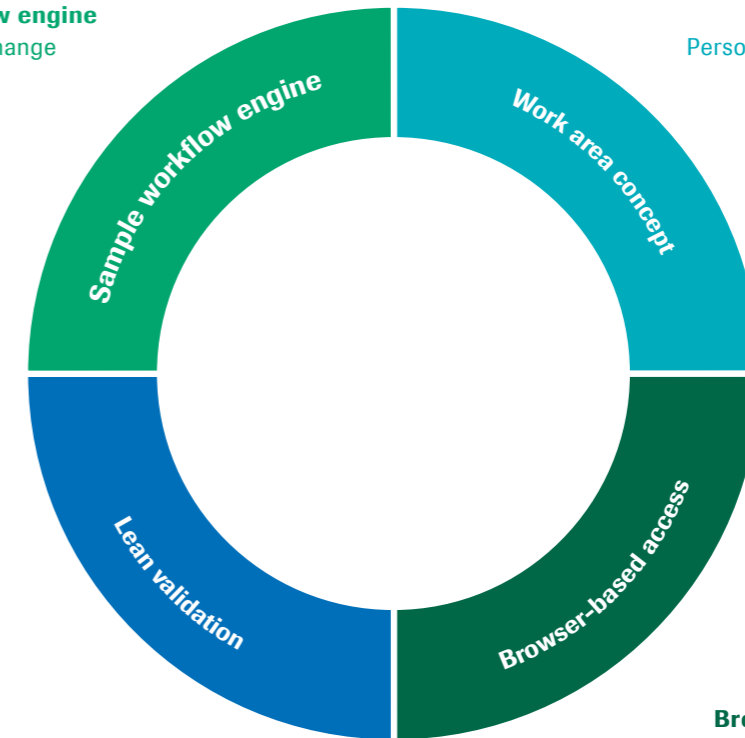
Laboratories benefit from an intelligent solution designed to take over most time consuming tasks. It manages not only complex lab operations, but also an efficient flow from ordering to reporting across various testing disciplines.

**cobas® infinity IT solutions helps analyse and control all processes with many highly dynamic features to monitor and improve production performance.**



**Sample workflow engine**  
Your engine for change

**Work area concept**  
Personalize your workspace



**Lean validation**  
Everything you need, nothing you don't

**Browser-based access**  
Compatible with your existing IT infrastructure

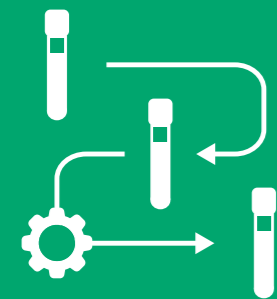
**Maximum efficiency and impact are no longer just wishes – they are minimum requirements.**

To succeed, you need more than systems that work in harmony. You need integration that unlocks exponentially greater performance.

Take integration to the next power with cobas® infinity IT solutions. It was designed from the drawing board for people to work to their full potential. With cobas® infinity IT solutions powering your lab, performance that was once not possible, is now reality.

# Sample workflow engine

## Your engine for change



The sample workflow engine is your engine for change, because it is always adjusting for your ever changing lab environment. It offers these four key values for your lab:

- Visualize your workflow: decision based tree which allows you to easily view and control your sample workflows.
- Dynamic decision making: labs are changing throughout the day and **cobas® infinity** IT solutions dynamically adjusts to the changing lab scenario.
- Modify workflow on the fly: the workflows can be adjusted depending on the lab scenario, while your samples are processing.
- Personalized for any lab: the solution is customizable based on the laboratory size and needs.

The sample workflow engine integrates the entire sample flow – from pre- to post-analytics – on a single

### Sample distribution for maximum efficiency

Sophisticated sample distribution for routine scenarios and exceptions. Distribution rules can be configured in a number of ways.

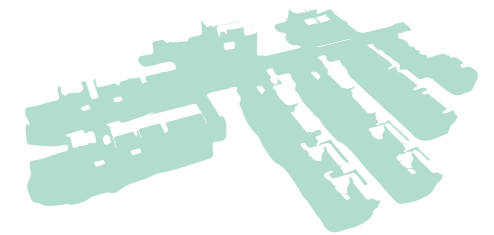
Optimum route for each sample

Higher instrument utilisation rate

Routing driven by sample information

Cross-instrument reflex, repeat and reruns

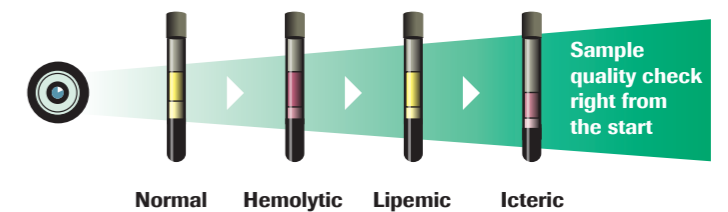
Only necessary sample movements



### Automated sample quality check

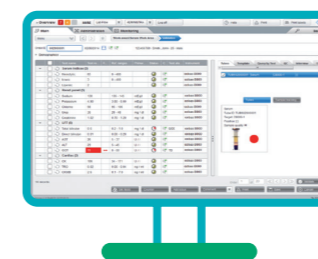
Roche's automation solutions perform a comprehensive inspection of sample quality at an early stage. Tube type identification, liquid and volume detection, spin status and sample quality checks are done to optimize the overall lab workflow.

**cobas® infinity** IT solutions takes automated actions for:  
shortest time to result;  
saving reagents and samples;  
avoiding to produce incorrect results.



### Capture of sample image

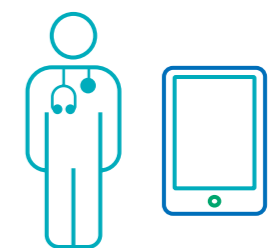
A valuable support for your medical decisions, enhancing reliable and fast results.



Sample image and data on **cobas® infinity** IT solutions



Sample image



Immediate access to samples' information

# Work area concept

## Personalize your workspace



The work area concept allows you to personalize your workspace, to have all relevant information in one place. It offers these four key values for your lab:

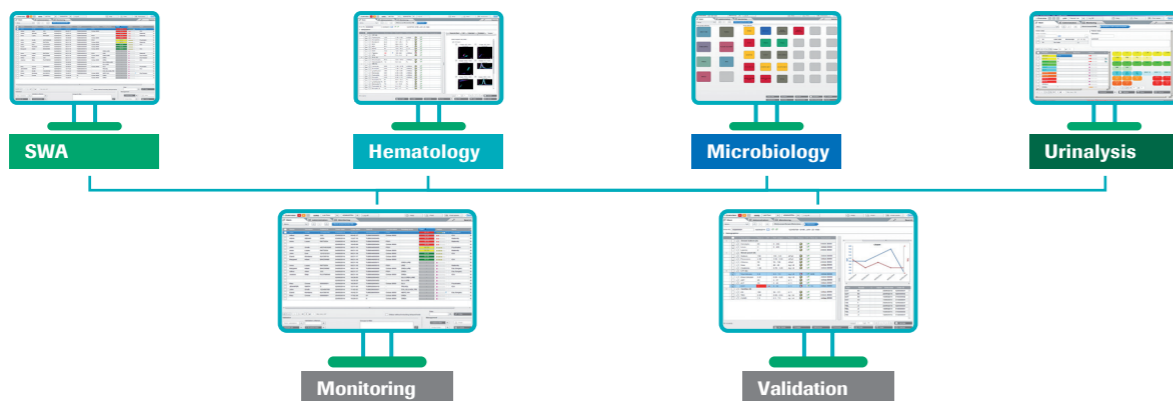
- On-demand solution's customization: personalize the monitoring screens for any user and discipline, to allow efficiency and focus on the task at hand.
- Comprehensive data filters: the different monitoring screens have various filtering options for displaying the specific set of information required for each user.
- Intuitive, easy-to-use design for any user.
- Streamline the user workflow.

The work area concept integrates information in real time so you can work to your full potential.



### Management of complex lab processes

**cobas® infinity** IT solutions has been designed to enable paperless workflow efficiency and is built specifically to match the structure of each particular work area. Work area screens can be configured allowing operators to focus directly on the tasks needed.



### Dynamic production monitoring

**cobas® infinity** IT solutions knows all the corners where samples can hide – from pre- to post-analytics and everywhere in between, delivering transparency and full control.



Track samples from pre- to post-analytics

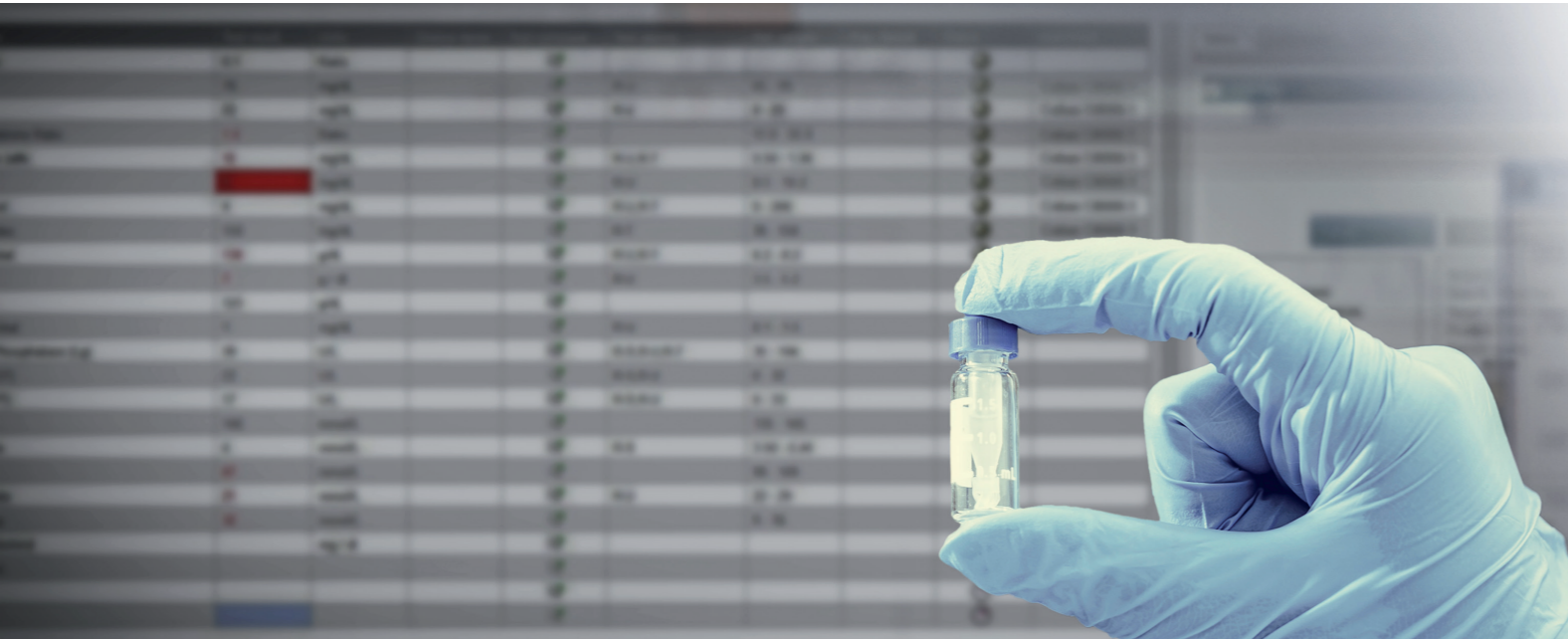
Search samples and see processed flow

Monitor TAT for specific samples, routine or STAT

Route history across all locations

## Lean validation

*Everything you need, nothing you don't*



Lean validation provides you with all the information you need, while allowing you to focus on abnormal and critical results. Lean validation offers these four key values for your lab:

- Consolidates information on a single screen.
- Target attention on critical data: **cobas® infinity** IT solutions specifically focuses on the necessary data and criteria for critical decision making.
- Never lose the focus on results: only relevant results are displayed to the user.
- Automatic validation: the validation engine can fully automate technical validation and supports clinical validation by adding comments and proposing or even automating retesting.

Lean validation integrates key information to accelerate your delivery of high-quality results.

## Browser-based access

*Compatible with your existing IT infrastructure*



The browser-based access is compatible with your existing IT infrastructure. It offers these three key values for your lab:

- Easy and secure access for any user without client installation.
- Relieves the burden of installation and upgrades
- Roche continuously monitors the health of your IT solution

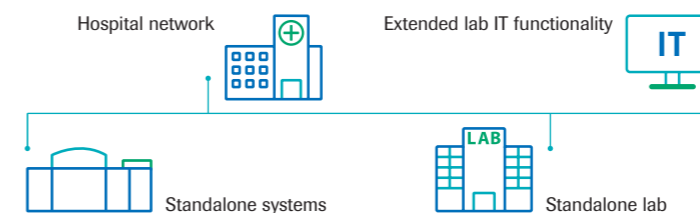
**cobas® infinity** IT solutions simplifies usage and management of your solution through easy and secure access. You can upgrade the server and any browser-based client has automatically the latest version and configuration.

The browser-based access integrates IT into your lab environment to optimize your asset utilization and

### Standardization and full traceability to maintain compliance.



### One decision for all choices – scalable to your needs again and again



**cobas® infinity** IT solutions connects every IT environment, from the smallest standalone lab to the largest hospital network.



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