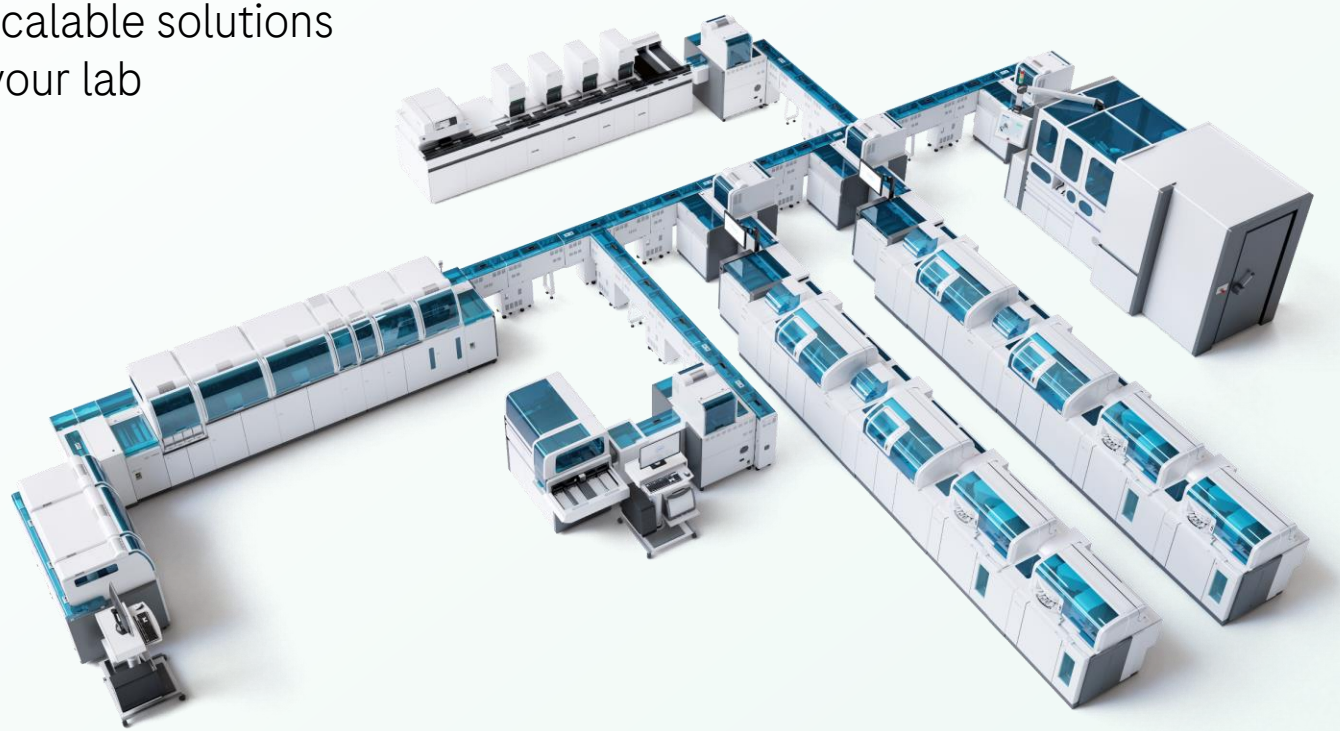
cobas®

Roche

cobas® 8100 automated workflow series

Modular and scalable solutions designed for your lab



Flexible

Flexible workflows and layouts

Scalable

Support from small to mega lab

Serviceable

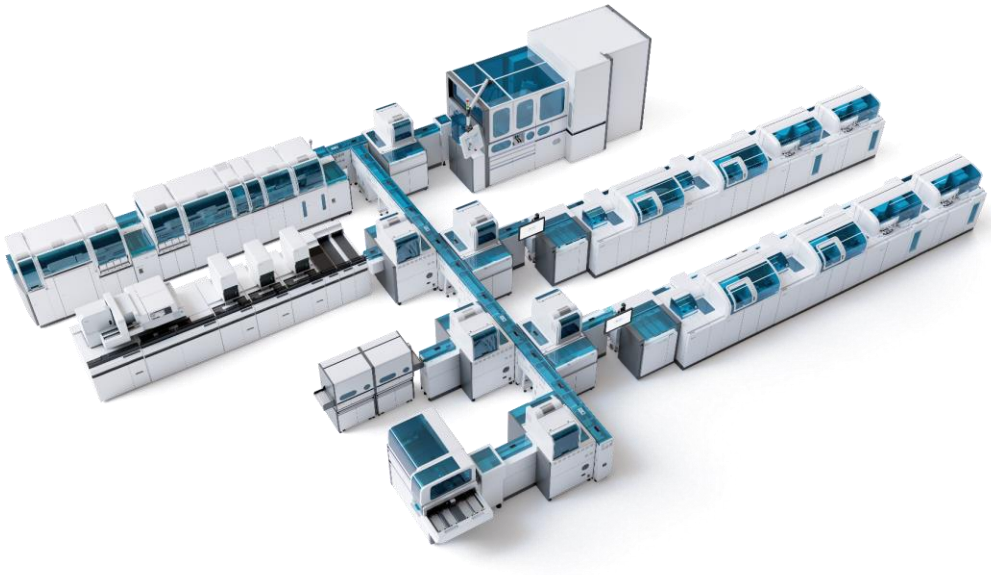
Reduced installation and service time

Seamless

Integration with our analyzers

3-D intelligence in lab automation

Whether your laboratory's challenge is high throughput, short turnaround times or both, the **cobas** 8100 automated workflow series will help fulfill your laboratory's changing needs, allowing you to work faster and more efficiently.



Quality comes first

Early check of the samples quality at the pre-analytical stage for maximum workflow efficiency



Workflow your way

Personalized workflows allow you to choose among primary, aliquot or mixed workflow

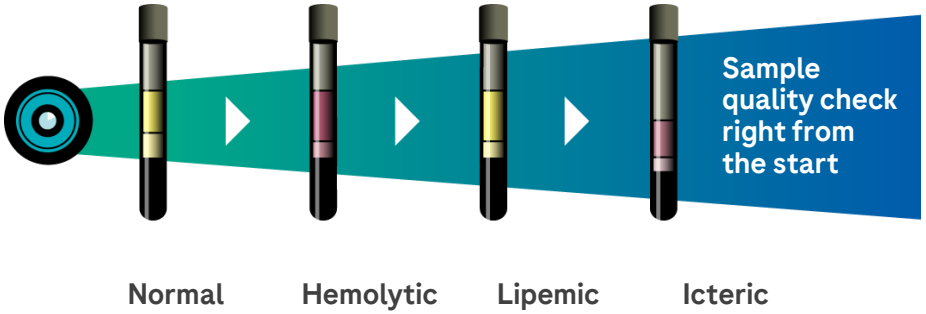
Flexible tube storage

cobas 8100 offers three different storage areas for tubes enabling fast access as soon as the tube is needed

Short and predictable time to results

3D intelligent tube transport offers short and predicable time to results. Streamlined processing of multiple disciplines

3-D intelligence in lab automation



Quality comes first

At an early pre-analytical stage, Roche automation solutions check the sample quality through a high-definition camera and liquid level detection, maximizing workflow efficiency.

- Early error detection
- Improved workload
- Reduced reagent waste

Workflow your way

Personalized workflows allow you to choose from primary, aliquot or mixed workflow, the choice is yours.

- Primary sample workflow – if the focus is on cost efficiency
- Aliquot workflow – if the focus is on sample integrity and parallel testing
- Mixed workflow – to optimize the benefits of both



Workflow with primary samples

Less consumables, less waste



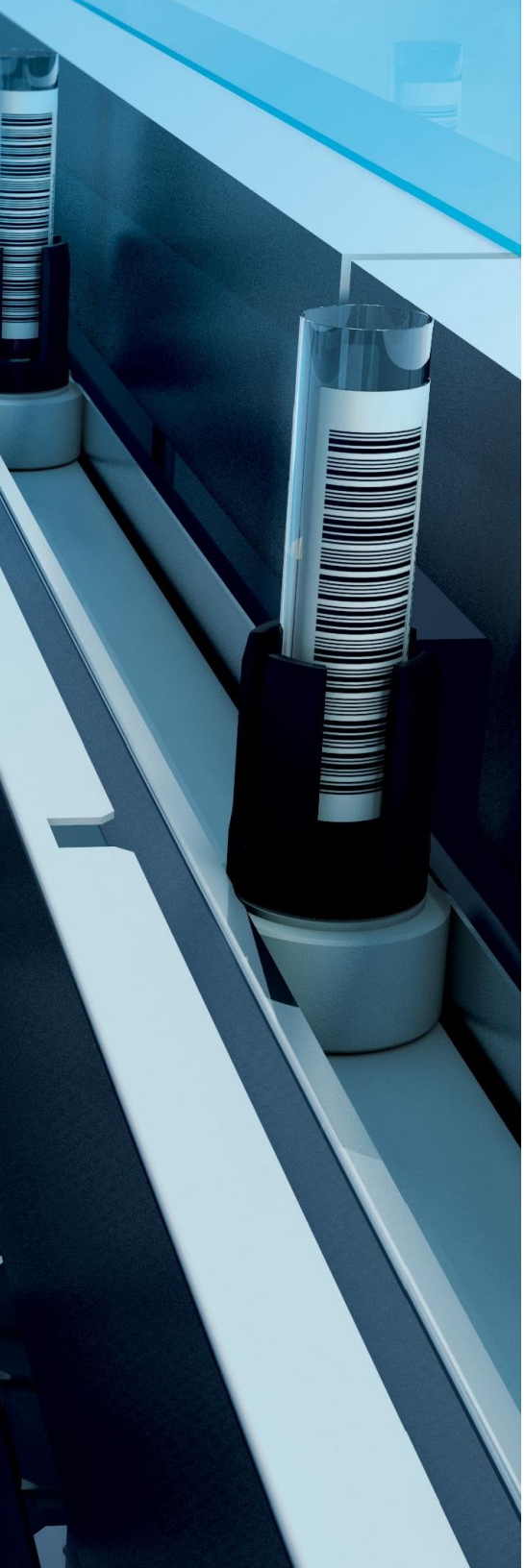
Workflow with aliquoting

Maintain sample integrity and deliver parallel processing for improved TAT



Mixed Workflow with both primary samples + aliquoting

Benefit from primary tube testing while being able to maintain sample integrity and improve TAT



3-D intelligent sample transportation

- **3D bi-directional tube transport**
- **Multi-level tube transport**
- **Tubes always have a clear destination**
- **Full and empty sample carriers run on different levels**
- **Tubes can bypass modules**

STAT prioritization in all steps in the process

STAT management in pre-analytical phase and sample transport

STAT management in all analyzers

Shortest route – only the necessary stops – without delay

When high-throughput sample processing is required and physicians and their patients are waiting, it is critical to avoid any delays in the workflow.
In **cobas** 8100, 3-D intelligent bi-directional transportation is located inside each module.

The transport lines lie on two levels: an upper level for full carriers and a lower level for empty carriers, ensuring that empty carriers do not block the sample transportation line.

The unobstructed sample transportation, with fast access to the next processing step, results in a predictable short turnaround time. This helps to optimize your laboratory's overall workflow even during peak times.

3-D intelligent sample transportation

Flexible tube storage

A solution with **cobas** 8100 offers three storage concepts, enabling fast automated access to samples whenever needed.



cobas® pro integrated solutions
Module sample buffers

Short-term storage
When a sample needs only one run

Multi-discipline connectivity to automate the full menu

- Broad reagent portfolio to consolidate 98% or more of routine serum work area
- Designed with options for connectivity to immuno and clinical chemistry, hematology, coagulation, selective best-in-class third-party analyzers and archiving
- **cobas** 8100 fully automates the laboratory process from sample entry to archive
- Integrated post-analytic solutions with add-on buffer module for add-on requests within one day



cobas 8100
Add-on/output buffer

Mid-term storage
For add-on requests within one day/sample archiving



cobas® p 501/ p 701 post-analytical unit
Refrigerated storage

Long-term storage
To enable long-term sample stability

Accommodates your laboratory's specific needs



Output station

01 Restopper flex-cap/screw cap
02 Add-on/output buffer
03 Output buffer/sorter



Input station

04 Input buffer
05 Automatic centrifuge unit
06 Sample check module
07 Destopper



Aliquot station

08 Barcode labeler/tube feeder
09 Aliquot module

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IN 46256
MC- US - 18207
diagnostics.roche.com

cobas 8100 intelligent tube transport provides a short predictable time to results, including prioritization for emergency samples.

With flexible workflows, early error detection and fully automated add-on handling, **cobas** 8100 allows for personalized solutions to suite individual laboratory needs, helping to ensure that quality comes first.