cobas p 512 pre-analytical system
Adapting to today’s needs.
Flexible for tomorrow’s demand.
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 p 512 pre-analytical system
Everything designed to work together as one

Innovation
The best answer to face emerging challenges in laboratory operations

Speed
High productivity without compromising space and safety

Quality
Comprehensive inspection of sample quality at an early stage

Flexibility
Adapts to the lab’s sample handling needs
Innovation

**cobas p 512** is the best answer to face emerging challenges in laboratory operations by offering the following innovative functionalities:

- Upgradable to connected automation
- Validated for Molecular Diagnostics
- Easy to add functionalities
- Comprehensive inspection of samples quality
- Designed for today and tomorrow, to keep you competitive in a changing environment

Speed

**cobas p 512** is designed for laboratories that require high productivity. It delivers speed without compromising space and safety.

Throughput of up to 1400 samples/hour
**cobas p 512 pre-analytical system**

*More early inspections of samples. Good to go!*

**Quality checks**

*cobas p 512* performs comprehensive inspection of samples at an early stage, maximizing workflow efficiency.

**Tube type identification**

**Sample volume check through 3 barcode labels**

**Spin status detection**

**Sample quality check**

**Capture of sample image**

---

**Overall optimization of lab workflow:**

- Reduced workload and reagents waste
- Shortest time to consistent results

---

**Automated spin status detection**

*cobas p 512* detects whether blood samples have been centrifuged or not. Spin status enables a greater workflow efficiency, preventing unspun samples from being tested. Measurements are made via laser through 3 barcode labels.

---

**Automated sample quality check**

*cobas p 512* checks the sample through a high definition camera, classifying sample quality into 5 different user-defined categories.

- **good**
- light hemolytic
- hemolytic
- Lipemic
- icteric
Capture of sample image

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

Sample image and data on cobas IT solution

Sample image

Immediate access to samples’ information
cobas p 512 pre-analytical system

Flexibility to adapt to your needs

**Single point of entry for convenient sample loading**

Through convenient sample loading, the **cobas p 512** is the ideal single point of entry for reduced complexity. There is no need to pre-sort sample tubes prior to loading.

**Adapt the sorting area to your workflow and stay flexible**

- Sorting areas are freely definable
- Supporting a wide variety of racks from Roche and other vendors

---

**High speed**

**Single point of entry**

**No manual complexity**

---

Input area – Bulk loading
Single point of entry to automate all lab disciplines

A solution compatible with all lab disciplines

- Chemistry
- Hematology
- Urinalysis
- Immuno-chemistry
- Coagulation
- Molecular Diagnostics
- Others

Centralizes and automates sorting decisions while saving time

- No manual re-racking from beginning to end
- First pass and recursive workflow
Evolution of cobas p 512
Validated for Molecular Diagnostics
Safe – Validated for cross-contamination compliance

The **cobas p** 512 is validated for both serology and molecular diagnostics testing.

Clinical laboratory

NAT virology laboratory

Blood screening laboratory

A safe choice for a wide variety of laboratories