



cobas[®] 6000 analyzer series
Flexibility you can build on





cobas® 6000 analyzer series *Flexibility you can build on*

Many of today's laboratories are challenged with delivering high standards of laboratory services with fewer resources. Many face constant pressure to lower operating costs while aspiring to grow business in new areas. Concern for the patient is paramount and you demand only the best in diagnostic testing and services.

Just as every patient requires individualized care, every lab is unique. Striking the balance between high standards and efficient operation requires individualized solutions. With the **cobas** modular platform, Roche has developed a platform concept that delivers personalized solutions based on a common architecture for various workloads and workflow requirements.

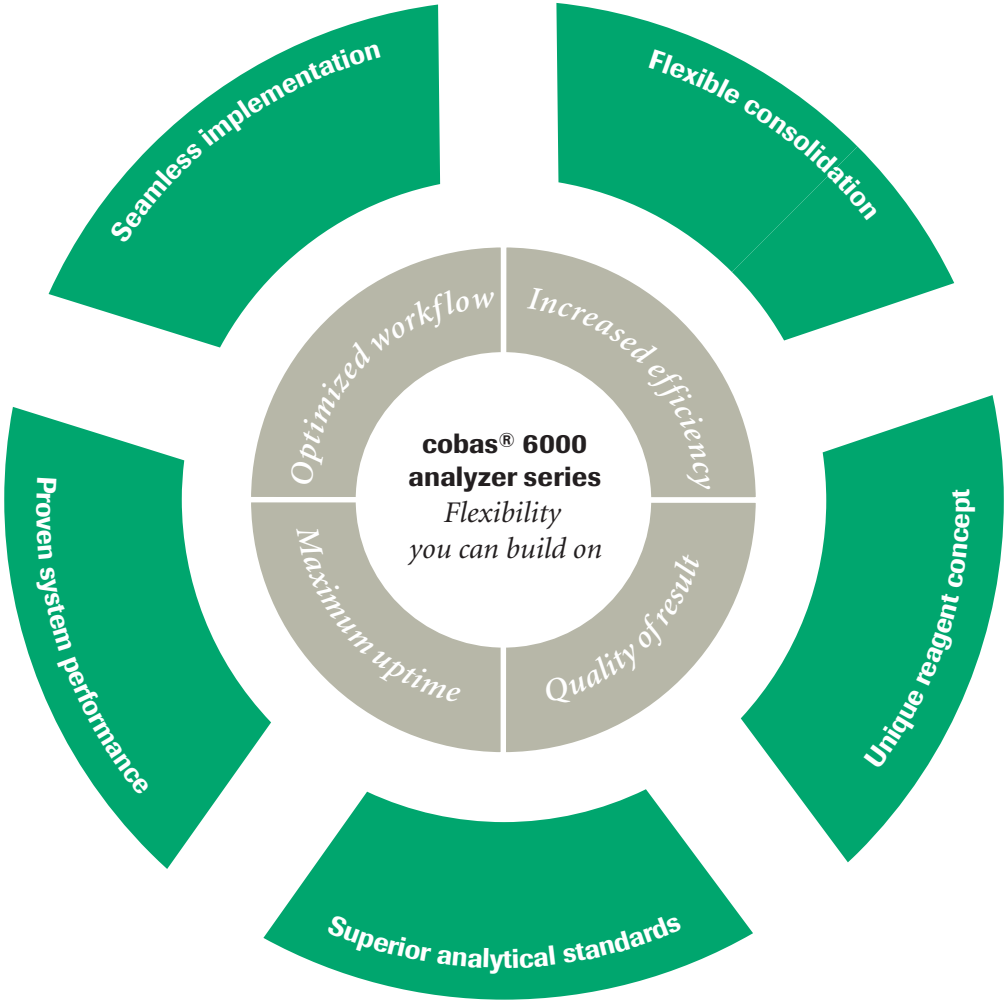
The **cobas** 6000 analyzer series is a member of the **cobas** family of analyzers. This solution is designed for laboratories which typically produce from 500,000 to 2.5 million clinical chemistry and immunochemistry tests/year. The **cobas** 6000 analyzer series can be personalized for your workload through seven different configurations. System configurations consist of a core unit and the following modules:

- **cobas c** 501 module – a mid-volume clinical chemistry analyzer
- **cobas e** 601 module – an immunoassay analyzer

cobas[®] 6000 analyzer series

Built to meet your needs

The cobas 6000 analyzer series delivers a new dimension in increased efficiency, quality of result, maximum uptime and optimized workflow:



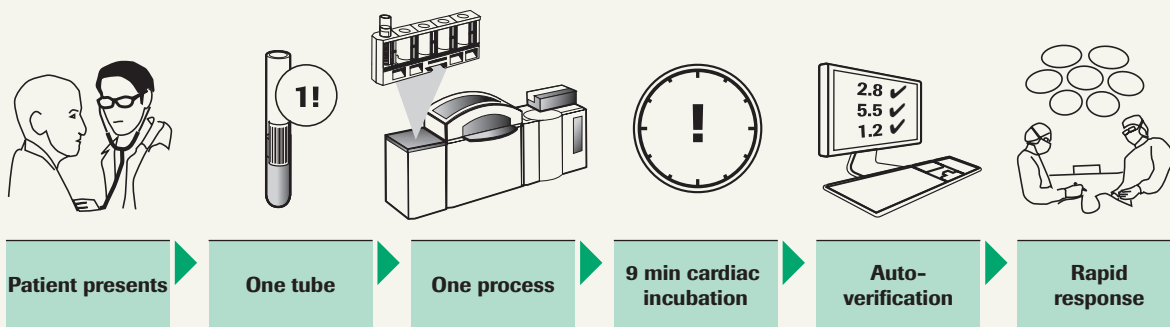


Flexible consolidation

Ready for the unexpected

Most high performing labs need an efficient mix of broad test menu and fast turnaround time – even as workloads grow. The **cobas** 6000 analyzer series delivers by optimizing workflows through flexible consolidation and automation.

- Consolidates more than 150 tests on one integrated platform
- Combines STAT with routine testing without disruption
- Seamlessly integrates pre- and post- analytical solutions
- Flexibility to expand and reconfigure existing system configurations onsite to meet your lab's evolving needs
- Industry leading 9-minute STAT cardiac assays on a lab based platform





Unique reagent concept

Convenient handling, cost-effective operation

From routine assays to innovative biomarkers, most high performing labs need easy to use and cost effective reagents. The **cobas** 6000 analyzer series delivers by offering liquid ready-to-use reagents based on a unique reagent concept.

- Liquid ready-to-use **cobas c** and **e** packs (95 percent of total assay portfolio) eliminate error involved with human mixing of reagents
- “On the fly” loading of chemistry reagents during operation
- Standardized reagents across the **cobas** family of analyzers
- Economic usage with high stabilities and convenient kit sizes. Long on-board stability (OBS) of **cobas** reagents minimizes wasted tests. Immunoassays have an OBS of 56 days and chemistries have OBS of 67 days on average





Superior analytical standards

Right the first time

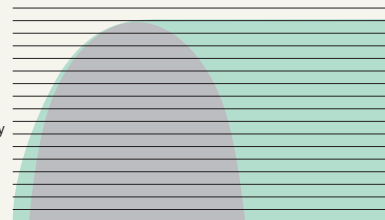
Most high performing labs stake their reputation on quality. The trust of their clinicians is paramount. The **cobas** 6000 analyzer series inspires confidence by reaching superior standards of analytical performance.

- State-of-the-art immunoassay tests using electrochemiluminescence (ECL) technology offers a broad measuring range and low end sensitivity (*i.e.* HCG+ β : 0.10 – 10,000 mIU/mL), virtually eliminating the need for dilutions and repeat testing
- Standardized test results between all testing sites using **cobas** family of analyzers allow for greater consistency in physician result interpretation
- Sample and system integrity checks help to ensure quality results (e.g. test-specific serum indices, disposable immunoassay tips and cups, and clot and liquid level detection)
- ECL immunoassays have CV (co-efficient of variation) of less than six percent on average

ECL Extended Measuring Range

- Roche Diagnostics Electrochemiluminescence (ECL)
- Chemiluminescence (CL)

Signal Intensity
(000 counts)



Time (sec)

*Average system uptime rate of more than 99.9 percent, thus helping to avoid costly unplanned laboratory downtime**



Proven system performance

Maximum system uptime

Most high performing labs operate 24/7 and expect high reliability from their systems. The **cobas** 6000 analyzer series delivers by providing high reliability and maximum system uptime.

- Partnership with Hitachi: over 30 years as a total solution provider
- Proven system reliability powered by simple and mostly automated maintenance helps to ensure test results can be reported when you need them
- An on-time preventative maintenance completion rate of greater than 99 percent keeps system at peak performance*
- Over 9,000 modules installed worldwide

* PRISMA Service Data; 12 month period ending 4/30/11



Seamless implementation

With you every step of the way

Most high performing labs cannot afford complex installations and long ramp-up periods. Roche's team of experienced lab process consultants, engineers, and project managers help ensure the **cobas** 6000 analyzer series is seamlessly implemented and well supported.

- Individualized solutions through work-process consultations with a team of highly-experienced Lab Process Consultants, with 28 years on average of lab industry exposure
- Dedicated certified project managers and IT projects minimize implementation time to ensure lab service levels are optimized
- 89 percent of technical support calls answered live within 40 seconds, which leads to a 68 percent remote fix rate (based on 2010 Roche Technical Support Call Center Statistics)
- Connectivity via **cobas**[®] link enables a secure gateway connection between the laboratory and Roche Diagnostics. This connection brings you the advantages of the latest in remote diagnostics, real-time service and support, efficient troubleshooting and anti-virus and application patching for system protection



Work process
consultation



Simulation
tools



Lab design



Project
management



After sales
support

cobas[®] 6000 analyzer series

At a glance



1 Core Unit

- Simple operation with continuous loading and unloading
- Loading capacity of 150 samples in two trays of 75
- Load 5-position racks via dedicated STAT port with rerun buffer or by tray
- Unique 5-position rack for more efficient sample handling
- Smart track rotor for intelligent sample handling
- Single control unit for all modules

2 cobas c 501 module

- Clinical chemistry, homogeneous immunoassays, ISE, HbA1c (whole blood measurement)
- Throughput of up to 1,000 tests/hour
 - 60 reagent channels plus 3 ISE's
 - Reagent loading on the fly
 - Specimen integrity via serum indices (parallel processing), clot and liquid level detection
 - Contact-free ultrasonic mixing
 - Automated rerun and dilution

3 cobas e 601 module

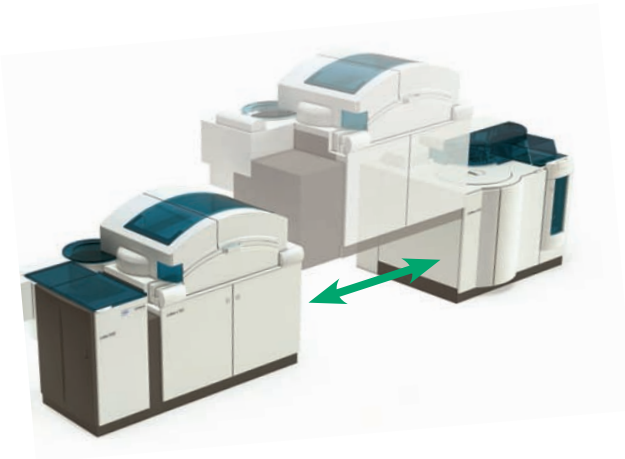
- Heterogenous immunoassays including cardiac markers, anemia, bone and tumor markers, hormones, and infectious diseases
- Electrochemiluminescence (ECL) technology
 - Throughput up to 170 tests/hour
 - 25 reagent channels
 - Carry-over free disposable tips and cups
 - 9-minute STAT applications for Troponin I and T, proBNP II, Myoglobin, PTH, hCG- and CKMB
 - Clot and liquid level detection
 - Automated rerun and dilution










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Flexibility you can build on

The **cobas** 6000 analyzer series provides individualized solutions for high performing labs.



The flexible modularity offers individualized solutions to easily meet your challenging workflow needs. The system design also allows for easy system reconfiguration on-site to meet the changing needs and growth of your laboratory into the future.

	module combination	theoretical tests per hour	number of channels
	cc	1000	63
	ia	170	25
	cc ia	1170	88
	cc cc	2000	123
	cc cc ia	2170	148
	ia ia	340	50
	cc ia ia	1340	113

cc = Clinical Chemistry

ia = Immunoassay

**To find out more, speak to your Roche representative
or call 1-800-981-8863.**

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