

cobas[®]

Life needs answers

cobas c 111 clinical chemistry analyzer

Big lab analyzer performance— designed for small workload labs

New from Roche Diagnostics, the **cobas c 111** analyzer is designed to set the next gold standard in automated testing for small laboratories.



Designed to deliver big analyzer performance

With key components such as optics, reagents and calibrators taken from larger COBAS Integra[®] and **cobas** blood gas systems used in reference labs and hospitals, the **cobas c 111** analyzer joins a family of analyzers designed to deliver consistent results from the smallest to the largest system.



Test Menu

Test panels:

- Basic Metabolic Panel
- Comprehensive Metabolic Panel
- Electrolyte Panel
- Hepatic Panel
- Lipid Panel
- Renal Panel

Individual tests:

- Albumin
- ALT
- ALP
- Ammonia*
- Amylase
- Amylase, pancreatic
- AST
- Bicarbonate
- Bilirubin direct
- Bilirubin total
- BUN
- Calcium
- Chloride
- Cholesterol
- CK
- CK-MB
- Creatinine Jaffe
- Creatinine plus (enzymatic)
- CRP
- CRPhs*
- D-dimer*
- Ethanol*
- GGT
- Glucose
- HbA1c
- HDL cholesterol
- Homocysteine*
- Lactate*
- LDH
- LDL cholesterol
- Lipase
- Magnesium*
- Microalbumin*
- Phosphorus
- Potassium
- Sodium
- Total Protein
- Triglycerides
- Uric acid

*In development

For more information, contact your Roche Diagnostics representative or call 1-800-852-8766 (option 7).

Technical Specifications

Test Throughput (Theoretical Max)	65 tests/hour for photometry tests only 180 tests/hour for ISE tests only Up to 100 tests/hour for mixed requests	
Number of Channels (Reagent Slots)	27 slots (or approximately 14 assays) per reagent disk, up to 8 disks 3 channels on ISE module	
Programmable Parameters	Maximum 25 photometric with software ver 1.0 3 ISE tests, 10 profiles	
Sample Types	Serum, plasma, urine, whole blood (HbA1c)	
Sample Input (Sample Disk)	Load capacity: STAT: Continuous operation: Sample cooling:	8 positions, continuous loading Real STAT interrupt is available Additional sample setting during operation Not available
Sample Container Types	Primary tubes: Sample cup: Micro cup: Cups on tube:	5 – 10 mL; 16 x 100; 16 x 75; 13 x 100; 13 x 75 mm 2.5 mL 1.5 mL Cup on top of a 16 x 75/100 mm tube
Sample Volume	2.0 – 16.5 µL in 0.25 µL steps	
Sample Dilution	1.5 – 100 times	
Sample Clot Detection	Not available	
Minimum Sample Volume	Primary tubes: Sample cup: Micro cup:	500 µL 40 µL 40 µL
System Interfaces	RS 232 serial interface, bi-directional	
Sample Data Base	300 test results	
QC Analysis	QC history provides QC results of previous 60 days Graphic analysis of results over time	
Rerun	Manual rerun with predefined dilution	
Electrical Requirements	Power requirements: Frequency:	100 – 125V and 200 – 240V (-15% to +10%) 250 VA (320 VA with ISE) 50 Hz or 60 Hz ± 0.5%
Water/Waste Requirements	Minimum: Recommended: Water consumption: Water temperature: Biohazards waste:	Reagent Grade NCCLS Type II Reagent Grade NCCLS Type I 2.5 – 3.0 L/day 15° – 32° C Separate container
Operating Conditions	Ambient temperature: Ambient humidity: Heat output: Noise output:	15° – 32° C 30 – 80% (RH, without condensation) Maximum 320 W/hr or 270 Kcal/hr <60 dB
Physical Dimensions	Width: Depth: Height:	28.4 in (720 mm) 21.7 in (550 mm) 18.9 in (480 mm)
Weight	85.1 lbs (38.6 kg)	

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