

BioMajesty[®] JCA-BM6010/C

Empower Your Laboratory!



Fast. Accurate. Precise.
**Best patient outcomes and operating effectiveness with
the most compact analyzer of its class.**

DiaSys

Diagnostic Systems

CHOOSING QUALITY.

Manage your workload with less effort

Micro Volume Analysis

Minimum Reaction Volume 80 μ L



Compact and Efficient

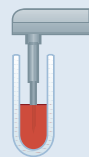
Analyzer: 1220 (W) x 850 (D) x 1108 (H) mm

Throughput up to 1200 tests per hour

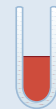
2 refrigerated reagent carousels with 50 reagent positions each

HbA1c Measurement

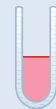
On-board auto hemolysis for HbA1c test



Sampling
Blood Cells



Hemolysis
(Blood Cells + Lysis Solution)



HbA1c Measurement
(Sample + Reagent)

Easy Operation



Routine Samples



STAT Samples

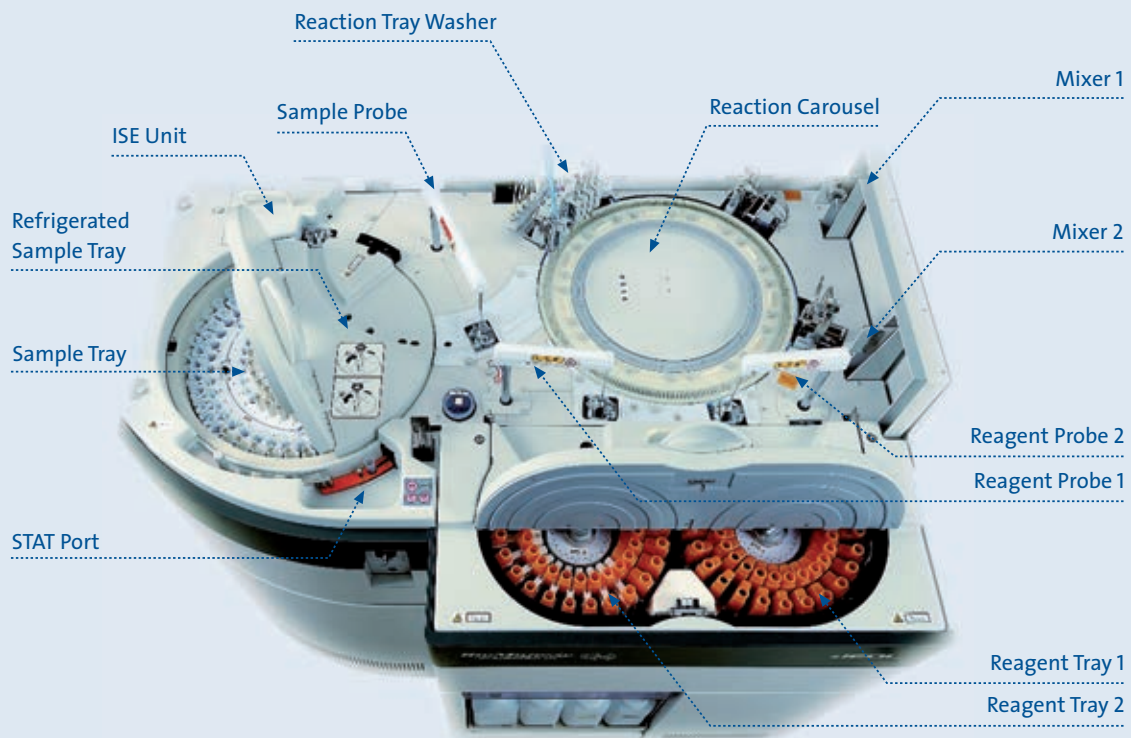
Unique Technologies

Cuvettes made of special smooth plastic material for stabilized and improved result data. Clot sensor and detection of insufficient sample volume reduce errors.



Day to day challenges need convenient solutions

BioMajesty JCA-BM6010/C – a look inside

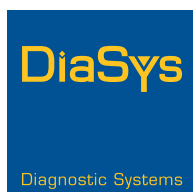


- Immediate STAT processing
- Automatically run priority test first
- Continuous access to reagents and samples (smart pause)

Technical Data

Technical specifications	
System type	Floor stand random access clinical chemistry analyzer
Total throughput	1200 tests/hour
Sample tray STT	84 positions for routine and priority samples with built-in barcode reader
Refrigerated sample tray CTT	61 positions for controls and calibrators
Sample types	Serum, plasma, urine, whole blood
Reagent trays	2 refrigerated trays for reagent containers with 50 positions each; Built-in barcode reader
Sample dispensing volume	1–25 µL (0.1 µL step)
Reagent pipetting	5 to 300 µL
STAT-analytics	STAT port enables easy STAT sample determination
Photometry throughput	800 tests/hour
ISE throughput (Na, K, Cl)	600 tests/hour
Sample throughput rate	Maximum 800 samples/hour
Measuring principle	Colorimetry (Rate/End Point); Turbidimetric Immunoassay; ISE: simultaneous 3 item measurement of Na, K, Cl
Barcode identification	Automatic barcode scan for reagents and samples
Calibration	Linear, non-linear, multi point
Sample tubes/cups	Most commonly used blood collection tubes and sample cups
Sample dilution	Dilution ratio: 2 to 300 times
Sensors	Liquid-level sensor, clot sensor and crash sensor
Reagent dispensing method	2 probe system capable to dispense 3 reagent components
Reagent tray standard setting	50 containers per tray with 40 mL
Reagent container capacity	20 and 40 mL, with special adapters for 20 mL containers
Reaction disk	Rotating reaction carousel with turntable and 231 reusable plastic cuvettes
Reaction times and temperature	3, 4, 5, 10, 15 minutes at 37 ± 0.1°C; Extended reaction time: 21 or 31 minutes
Reflex testing capability	Yes
Photometry	14 wavelengths: 340, 410, 451, 478, 505, 545, 571, 596, 658, 694, 751, 805, 845, 884 nm
Automatic maintenance	Automatic startup and shutdown by weekly timer
Required pure water	20 liter/hour; water purity: 1 ps/cm or less
Ambient temperature/humidity	Temperature: 18 °C to 30 °C/humidity: 40 % to 70 %
Power supply	AC 220 V + 10 %, 50/60 Hz; 2.6 kVA
Dimensions	122 cm (W) x 85 cm (D) x 110.8 cm (H)
Weight	Approximately 450 kg

These specifications are subject to change without notice



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