

**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, CSF, urine, whole blood
Reagent trays	Two refrigerated trays with 45 positions each for reagent containers with built-in bar code reader
Sample dispensing volume	1–25 µL (0.1 µL steps)
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/Endpoint); Turbidimetric Immunoassay; ISE: Simultaneous 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	Total 45 containers per tray with 40 mL + 70 mL
Reagent container capacity	20, 40 and 70 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 Liters/hour; Water purity: ≤ 1 µS/cm
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

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**DiaSys**  
**Diagnostic Systems GmbH**  
Alte Strasse 9  
65558 Holzheim  
Germany

Phone: +49 (0) 64 32/91 46-0  
Fax: +49 (0) 64 32/91 46-32  
E-Mail: [systems@diasys.de](mailto:systems@diasys.de)  
[www.diasys-diagnostics.com](http://www.diasys-diagnostics.com)



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CHOOSING QUALITY.

**Empower Your Laboratory**



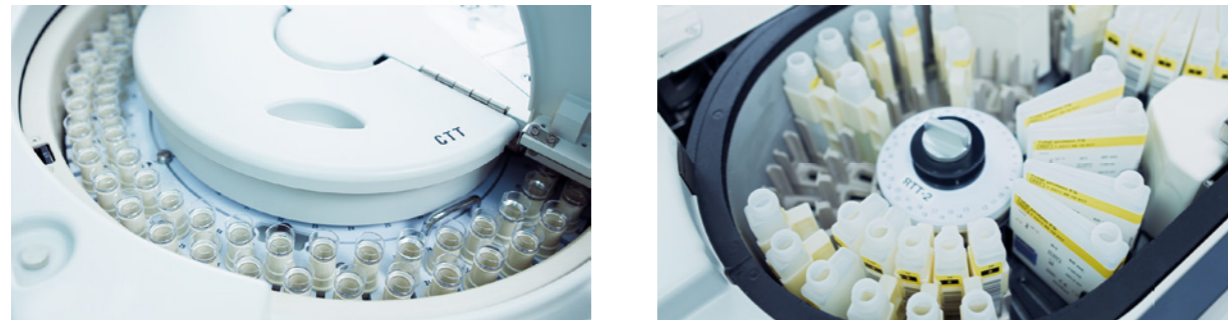
**Efficient. Secure. Precise.**  
**Best Patient Outcomes and Operating Effectiveness**  
**with the Most Compact Analyzer of its Class.**



CHOOSING QUALITY.

## The System Solution for Peak Performance

BioMajesty®JCA-BM6010/C is designed to increase the performance of medium sized laboratories. The throughput of up to 1.200 tests per hour, 45 reagent and 84 sample positions guarantee flexibility in daily laboratory routine. BioMajesty® handles the entire portfolio of photometric and turbidimetric assays as well as Na, K, Cl determination by indirect ISE method.

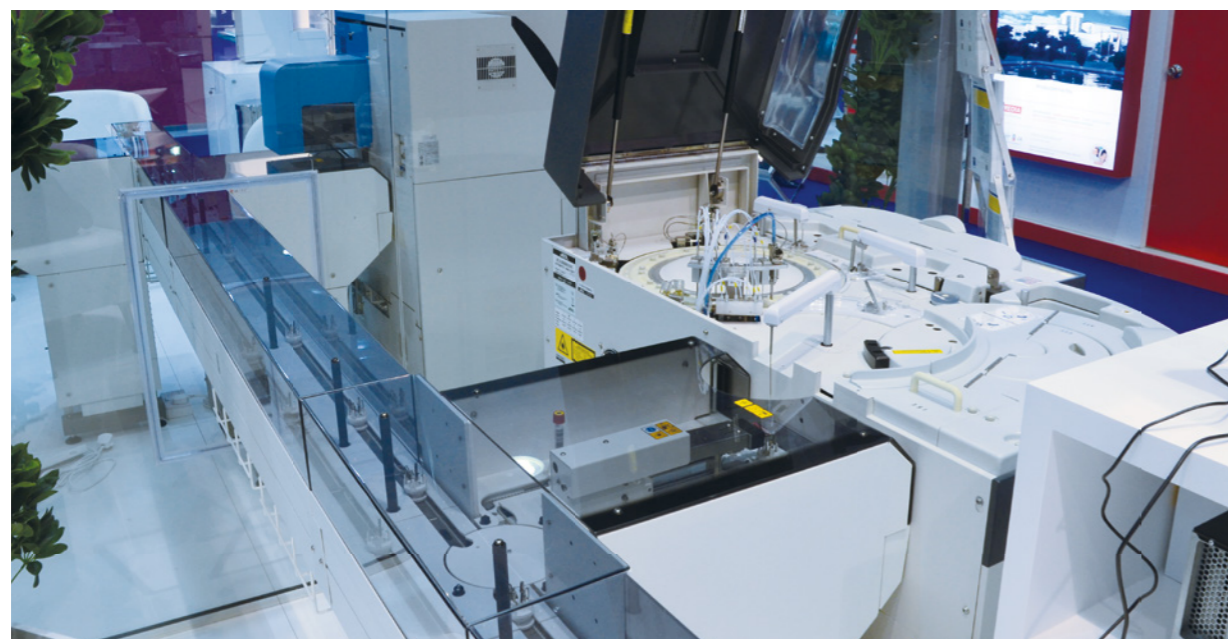


### BioMajesty®JCA-BM6010/C

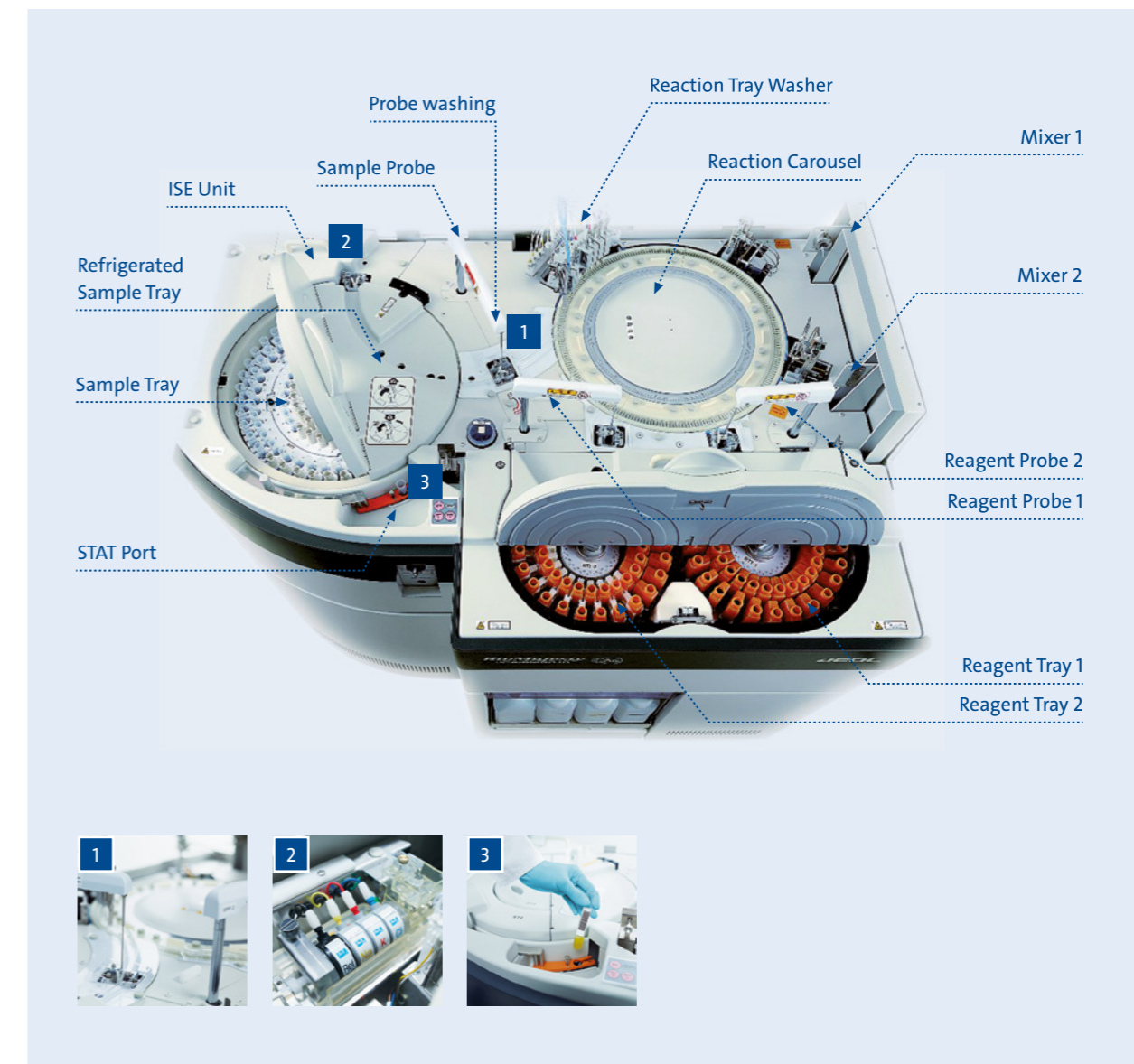
- From the world of superior DiaSys solutions, BioMajesty® offers a comprehensive system including analyzer, reagents, consumables, software and premium service.
- Perfectly integrated system components for secure results and the highest possible precision.
- Individual solutions for special applications, e.g. onboard hemolysis for measurement of HbA1c in whole blood.

The unique BioMajesty® “micro-volume analysis feature” (min. reaction volume of 80 µL) represents an ideal solution for specialty laboratories such as pediatric or geriatric settings.

The connection of BioMajesty® to an open ThermoFisher track system offers more than 20 interfaces to CC, IA, coagulation, and hematology analyzers.



## Daily Challenges Require Convenient Solutions



### Important Patient Results – Quick, Secure and Economic

- A dedicated STAT loader allows immediate analysis of your emergency samples.
- Clot detection and liquid level sensor technology ensure confidence in results.
- Unique probe wash technology avoids carry over and leads to reliable results.
- Micro-volume analysis minimizes consumption of sample and reagents which leads to economic usage.