

BioLyzer[®] 600



**Fully automated
clinical chemistry
analyzer**



- Environment-friendly reusable Pyrex cuvettes
- Throughput: 400 tests/hour
- Optional ISE unit available, increases throughput up to 560 tests/hour

The Biolyzer® 600

extends the Analyticon line of clinical-chemistry analyzers. With a throughput of up to 400 tests per hour (up to 560 tests per hour with ISE) the system is the ideal solution covering the demands of the medium sized laboratories or even the large laboratory as a specialized chemistry system and as a backup solution. A broad panel of clinical-chemistry parameters is available as well as an optional direct ISE-unit for measuring electrolytes. The intuitive user-software and the general easy operating of the instrument enable a maximum of efficiency.

Reliable and accurate

- Separate sample and two reagent pipettors avoid carry-over
- Direct heating of the 90 cuvettes
- Levey-Jennings charts, QC statistics and calibration curves
- Serum indices to detect lipemic, icteric or hemolytic samples

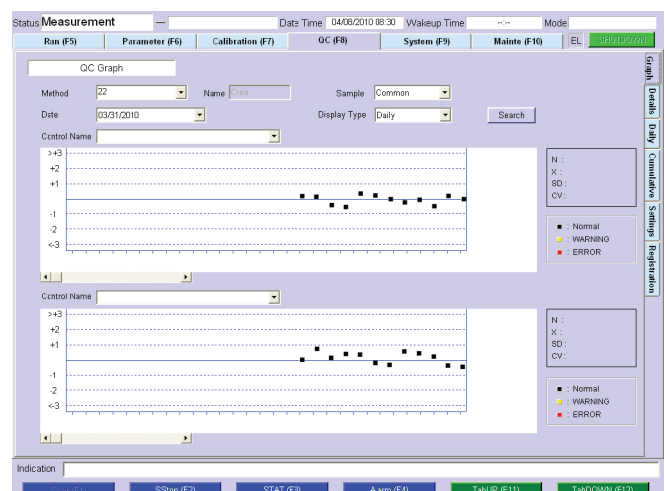
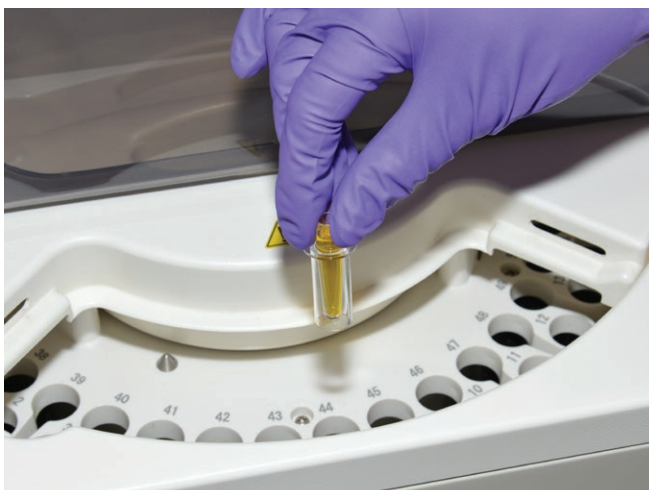
Easy-to-use and agile

- The Biolyzer® 600 features a smart software, which is intuitive, easy-to-use and straightforward
- Enables sample dilution and automatic test reruns
- Easy connectivity to LIS
- Removable sample and reagent carousel
- Auto wake-up function and sleep modus allows automated daily maintenance and preparation before the daily routine starts

Analyticon provides a complete solution of dedicated reagents, calibrators and controls for the Biolyzer® 600:

Routine Clinical Chemistry, Specific Proteins, Substrates and Enzymes, Lipid Profile, Diabetes, Electrolytes

- STAT function
Dedicated loading port enables fast and easy processing of emergency samples
- Quality control (QC)
QC results are displayed in various formats



1 Refrigerated reagent tray

Removable carousel for easy loading. 60 refrigerated positions to enhance reagent stability.

2 Multi-functional sample tray

72 positions for samples, 20 additional positions for calibrators and controls. Capable of handling primary tubes, sample cups and pediatric cups.

3 Highly precise reagent pipetting system

2 reagent needles with liquid level and crash detection.

4 Automatic washing system

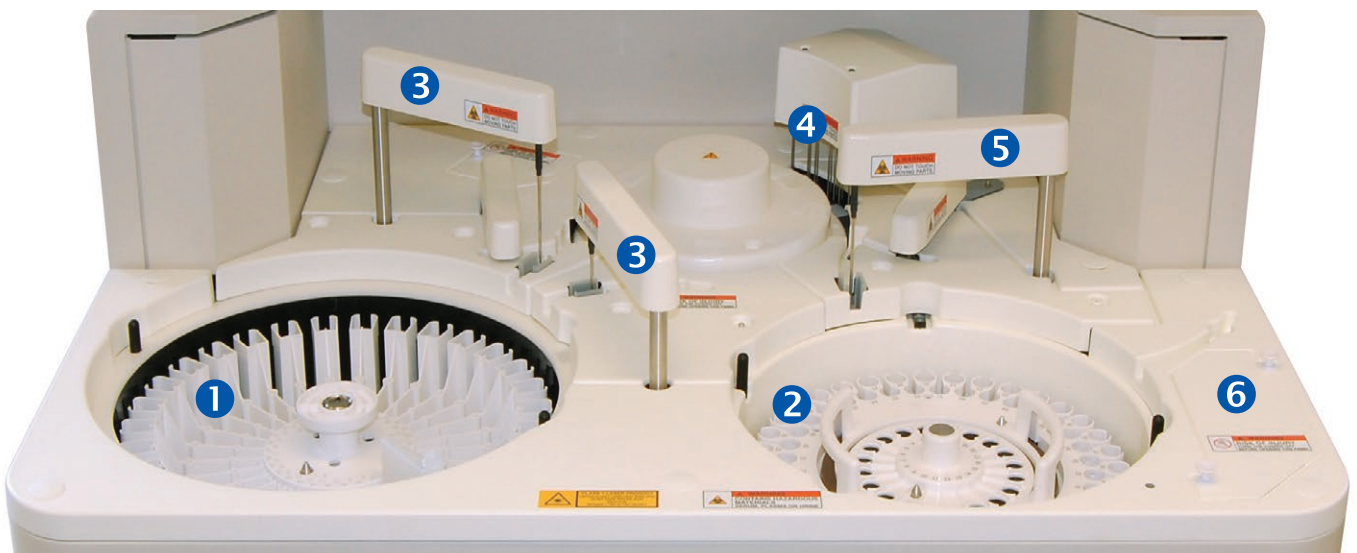
Effective cleaning method minimizes carry over and contamination.

5 Highly precise sample pipetting system

Liquid level, clot and crash detection. Capable of processing various sample types.

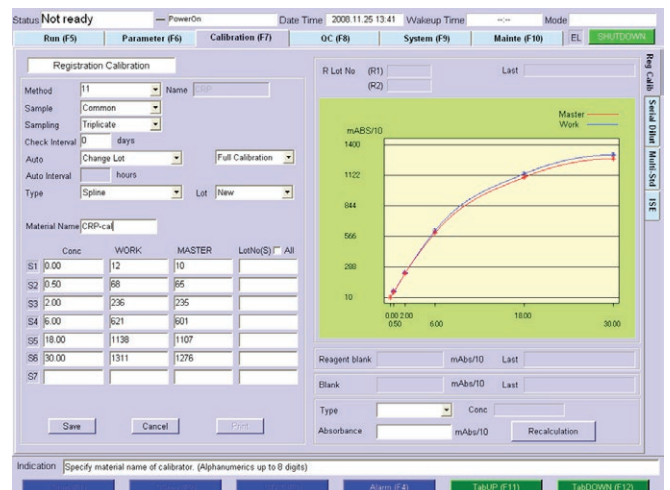
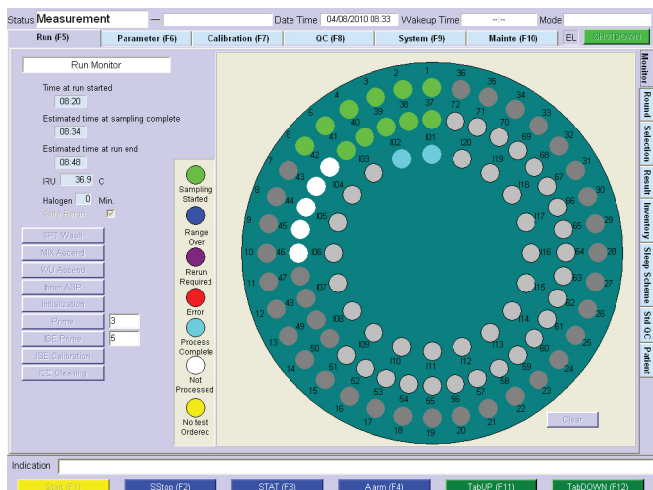
6 Integrated ISE module (optional)

Direct measurement of K^+ , Na^+ and Cl^- in serum samples. Diluted measurement for urine samples.



- Run monitor
Sample status is shown visually

- Calibration
Calibration settings and calibration curves are managed on one screen



Specifications

Type	Fully automated benchtop clinical chemistry analyzer (random access)
Measurement technology	Absorbance measurement (mono- and bi-chromatic) with 12 wavelengths: 340, 380, 415, 450, 510, 546, 570, 600, 660, 700, 750, 800 nm
Assay type	Endpoint, 2-point-end, rate (kinetic), 2-point-rate and ISE (optional)
Parameters	General chemistry and Immunology as photometric assay
Throughput	400 tests/hour (up to 560 tests/hour with optional ISE)
Data storage	Patient database: 1.000.000 tests QC database: 50.000 tests Calibration database: 25.000 tests
Display	External monitor
Interfaces	Ethernet
Dimensions	970 x 690 x 580 mm (WxDxH)
Weight	150 kg
Power Supply	100–120 VAC / 200–240 VAC; 900 VA
Operating environment	Temperature: +15°C to +30°C Relative humidity (non-condensing): 45% to 80%
Printer	External; Windows compatible printers
Barcode reader	Built-in (two: one for reagent and one for sample identification)
Protocols	ASTM
Features	<ul style="list-style-type: none"> – Optional direct ISE module for determination of Na⁺, K⁺, Cl⁻ ions – Removable sample tray with 72 positions plus 20 positions for controls and calibrators – Removable reagent tray with 60 positions (30 for 50/100 ml bottles and 30 for 20 ml bottles) – Reagent storage container cooled to +8°C to +15°C (extended reagent onboard stability) – Sampling volume: 2 to 35 µl (increment 0.1 µl) – Reagent sampling volume: R1: 20 to 350 µl, R2: 20 to 250 µl (increment 1.0 µl) – 90 high quality glass cuvettes (Pyrex) heated to +37°C (direct heating) – Measurement volume: 150 to 450 µl – Sample types: Serum, Plasma, Urine and Others – STAT sample handling available – Automatic calculation of remaining reagent inventory volume – Operator and QC management – Customizable calibration and QC functions with reminder at designated time – Automated end-of-the-day and start-up functions including daily maintenance

BioLyzer® 600, Art.-No.: A93961

BioLyzer® 600 including ISE, Art.-No.: A93962

Distributor information



Analyticon Biotechnologies AG

Am Muehlenberg 10
35104 Lichtenfels - Germany
Phone: +49 6454 7991-0
info@analyticon-diagnostics.com
www.analyticon-diagnostics.com