

A25

RANDOM ACCESS ANALYZER

Clinical Chemistry

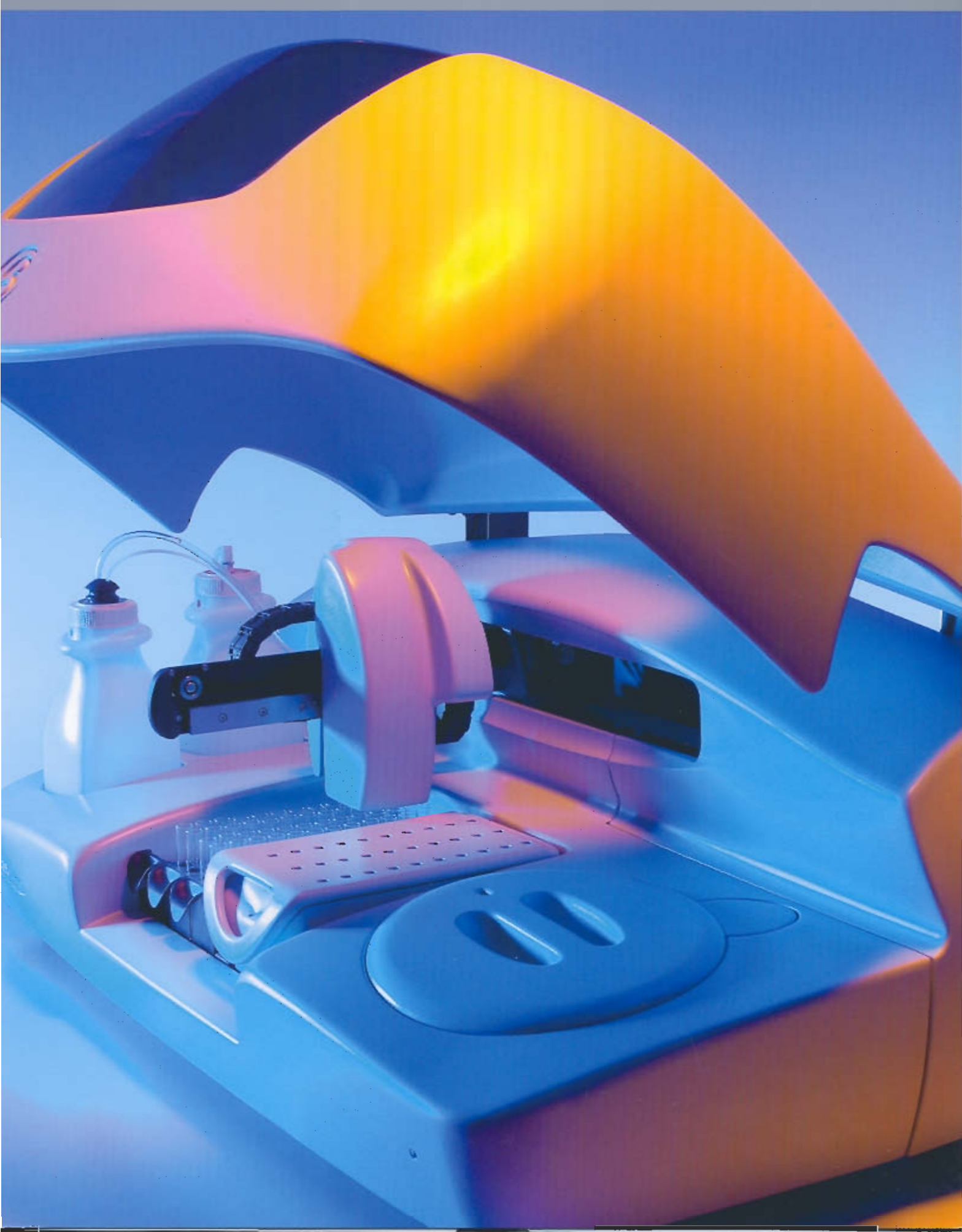
Turbidimetry



BioSystems
REAGENTS & INSTRUMENTS

A25

RANDOM ACCESS ANALYZER





TECHNOLOGY

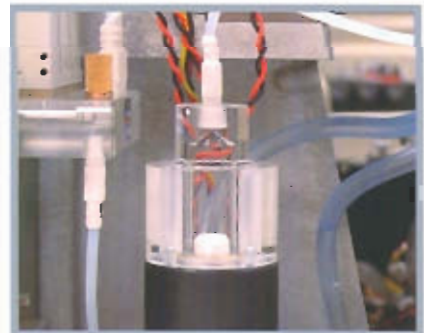
- System capacity for refrigerated reagents up to 30 positions with independent power supply
- Automatic and configurable management of the fluidic system, equipped with anti-bubble technology, to ensure optimal performance
- Last-generation optical systems with hard-coated filters, to provide maximum stability and durability in any environment
- Rotors made of UV-VIS optical quality methacrylate, with automatic status checking
- New design of racks to improve sample detection

ECONOMY

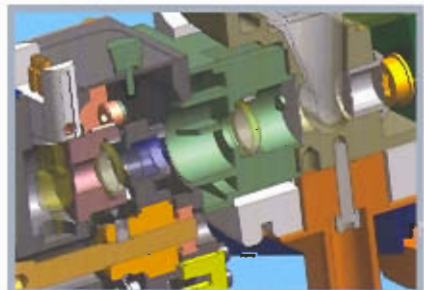
- New software to allow reduction of reagent dead volumes
- Reduced water consumption, with automated sensors to alert in case of insufficient volume to work
- High accuracy dispensing systems: CV lower than 2% for 3 μ L of sample.
- Minimum volume in cuvette of 200 μ L
- New hardware components with higher durability
- Better efficiency with extrapolation of the calibration curve for samples with high results

ERGONOMY

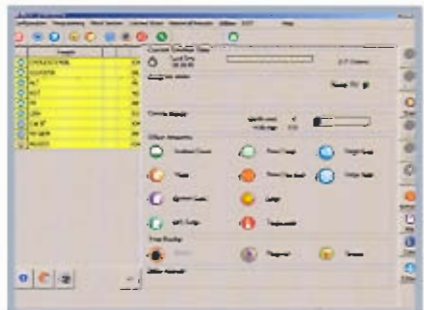
- Real time monitoring of worklist
- Automatic assignment of reagent to racks, or use pre-programmed racks
- Preserving racks configuration in each worklist
- Intuitive and easy to follow software, including LIMS integration, STAT and Internal Quality Control Management
- Automated self-check and end-of-day when switching on and switching off
- Automatic and configurable management of reagent interference
- New more friendly organization of help archives
- Conditioning components always installed in the system (Washing Solution and System Liquid)



- Long term use without maintenance of ceramic piston



- Improved optic system



- User friendly graphic interface
- Automatic Tasks through "Auto" buttons

DEDICATED REAGENTS



Biosystems has developed a wide range of reagents intensively evaluated in different workload conditions and validated according to the European IVD Directive CE to achieve the highest performance in A25 and A15 systems. Biosystems recommends their use according to the instructions and applications validated by Biosystems.

Biochemistry

Uric Acid	10x50 mL
Albumin	5x50 mL
Direct Bilirubin	5X50 mL
Total Bilirubin	5X50 mL
Cholesterol	10x50 mL
Cholesterol HDL Direct	4x20 mL
Cholesterol LDL Direct	4x20 mL
Creatinine	10x50 mL
Glucose	10x50 mL
Protein (Total)	10x50 mL
Protein (Urine)	5x50 mL
Triglycerides	10x50 mL
Urea/BUN UV	5x50 mL
Calcium-Arsenazo	10x50 mL
Phosphorus	2x50 mL
Iron Ferrozine	5x50 mL
Magnesium	2x50 mL
Alanine Aminotransferase (ALT/GPT)	5x50 mL
Aspartate Aminotransferase (AST/GOT)	5x50 mL
α-Amylase Direct	5x20 mL
Creatine Kinase (CK)	5x20 mL
Creatine Kinase MB (CK-MB)	5x20 mL
Alkaline Phosphatase (ALP)- AMP	5x20 mL
Alkaline Phosphatase (ALP)- DEA	5x20 mL
γ-Glutamyltransferase (γ-GT)	5x50 mL
Lactate Dehydrogenase (LDH)	5x50 mL

Turbidimetry

Anti-Streptolysin O (ASO)	2 x 20 mL
C-Reactive Protein (CRP)	2 x 20 mL
C-Reactive Protein-High Sensitivity	1 x 20 mL
Rheumatoid Factors (RF)	1 x 50 mL
Immunoglobulin G	1 x 20 mL
Immunoglobulin A	1 x 20 mL
Immunoglobulin M	1 x 20 mL
Complement Component C3	1 x 20 mL
Complement Component C4	1 x 20 mL
Albumin (Microalbuminuria)	1 x 20 mL
Ferritin	1 x 20 mL
Transferrin	1 x 20 mL

Biosystems has achieved the best possible degree of adaptation between reagents and analyzers. Dedicated reagents presentations are designed to optimize the performance of our systems. As result, dedicated reagents can be installed directly in our analyzers providing us with great user facilities.

THE PERFECT SYSTEM



For more than 25 years Biosystems has prioritized top quality as the main goal in all its designs, aware of the capital role played by the clinical laboratory by towards the health of the community. For Biosystems, quality means providing accurate and reliable results, without compromising the ease-of-use or mechanical reliability, thus allowing laboratories to concentrate on what matters most: patients' health.

Biosystems offers the A25 Clinical Autoanalyzer for medium size labs. It is a complete system that integrates biochemistry and turbidimetry reagents designed to achieve the highest performance, with reliable and durable mechanics and optics, and a managing software covering major areas of laboratory management (from LIMS integration to Internal Quality Control) in a simple and intuitive way. A winning combination for your laboratory.

The A25 stylish and robust design brings the state-of-the-art technology to work in any kind of environment and workload conditions, paying special attention to optimize consumption and minimize maintenance costs.

TECHNICAL FEATURES

Random access automatic analyzer aimed at giving results per patient.
Photometric reading directly in the reaction rotor.

Throughput	240 test/hour
Positions refrigerated reagents	30
Positions for Racks not refrigerated	3. Rack multipurpose
Samples per Rack	24
Max. Number of Samples	72
Sample Tubes	ø13 mm, ø15 mm (max. height 100 mm) Cups ø13 mm
Reagents per Rack	10
Max. Number of Reagents not refrigerated	20
Reagent Bottles	20 mL and 50 mL
Dispensing Tip	Stainless Steel
Level Detection	Capacitive
Dosing Pump	Ceramic Piston
Reagent Volume (Program)	10 µL - 440 µL
Sample Volume (Program)	3 µL - 40 µL
Liquid System Bottle Volume	2700 mL
Waste Bottle Volume	2700 mL
Washing Solution Bottle Volume	2700 mL
Reusable Methacrylate Rotor	
Number of Wells	120
Reaction Volume range	200 µL - 800 µL
Lightpath	6 mm
Light Source	Halogen lamp 12 V, 20 W
Photometric Detection System	Silicon photodiode
Measurement Range	From -0.05 A to 2.5 A
Spectral Range	340 nm - 900 nm
Filter Configuration	340, 405, 505, 535, 560, 600, 635, 670
Physical Dimensions	1080 x 695 x 510 mm (long. x wide x height)
Weight	73 kg (162 lb)



A25

BioSystems, S.A reserves the right to change specifications of the instrument at any time due to technical improvements.



BioSystems

CE



Manufactured by: BioSystems S.A.

Costa Brava 30, 08030 Barcelona (Spain) Tel. +34-93 311 00 00 Fax +34-93 346 77 99
biosystems@biosystems.es www.biosystems-sa.com