



**A15**

RANDOM ACCESS ANALYZER

Clinical Chemistry

Turbidimetry

**BioSystems**

REAGENTS & INSTRUMENTS

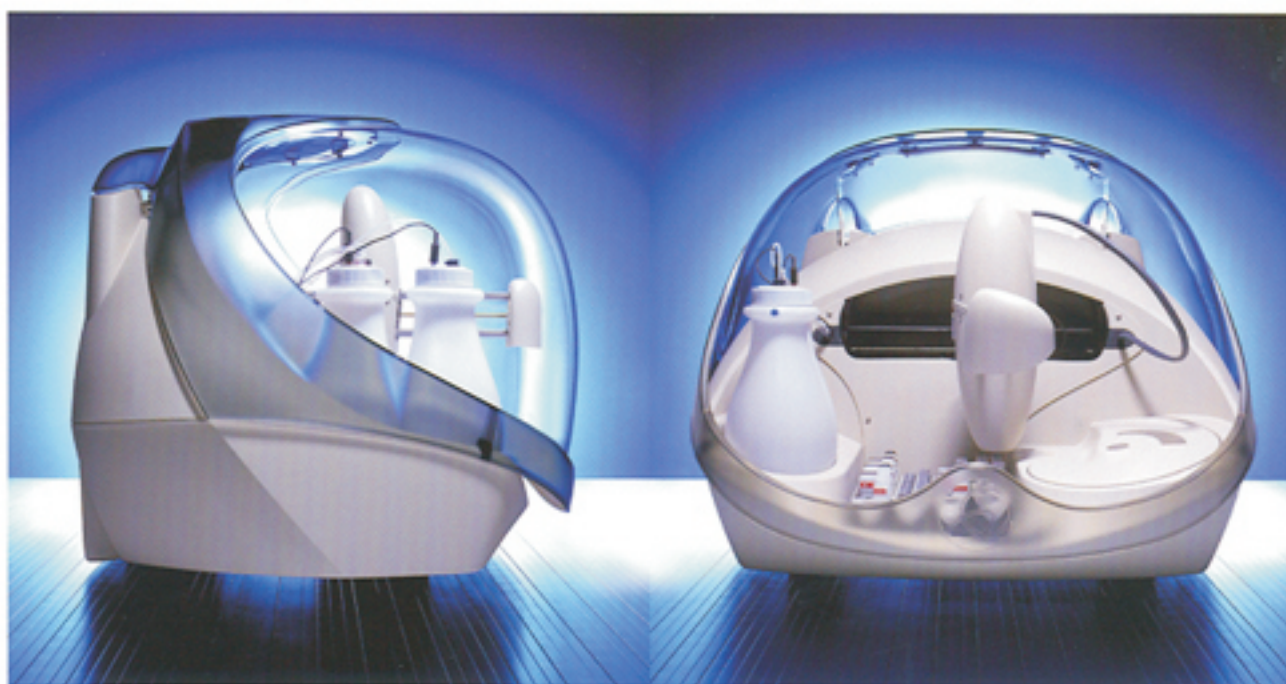


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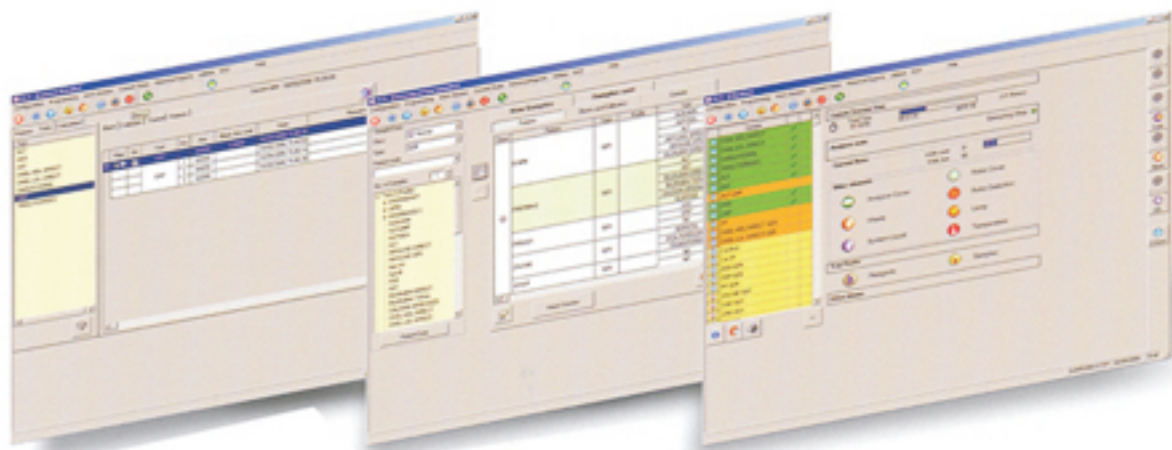
WHEREVER YOU NEED IT







- Stylish but Robust Design
- Low water consumption (less than 0.5 L per hour)
- Open System
- 4 independent positions for reagents and sample racks
- Capacity up to 30 reagents and 72 samples
- Pediatric cups and primary tubes
- Automatic Assignment of reagents to racks, or use pre-programmed racks
- Preserving racks configuration in each work list
- Intuitive and easy to follow software, including LIMS Integration, STAT and Internal Quality Control Management





# 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

Adenosine Deaminase (ADA)	4 x 10 mL
Amylase Direct	5 x 20 mL
Alanine Aminotransferase (ALT/GPT)	5 x 20 mL
Albumin	5 x 50 mL
Alkaline Phosphatase (ALP) - AMP	5 x 50 mL
Alkaline Phosphatase (ALP) - DEA	5 x 50 mL
Aspartate Aminotransferase (AST / GOT)	5 x 20 mL
Bilirubin Direct	5 x 50 mL
Bilirubin Total	5 x 50 mL
Calcium-Arsenazo	2 x 50 mL
Cholesterol	10 x 50 mL
Cholesterol HDL Direct	4 x 20 mL
Cholesterol LDL Direct	4 x 20 mL
Creatine Kinase (CK)	5 x 50 mL
Creatine Kinase MB (CK-MB)	5 x 50 mL
Creatinine	10 x 50 mL
Gamma Glutamyltransferase (γGT)	5 x 50 mL
Glucose	10 x 50 mL
Iron Ferrozine	5 x 50 mL
Lactate Dehydrogenase (LDH)	5 x 50 mL
Lipase	2 x 24 mL
Magnesium	5 x 20 mL
Phosphorus	5 x 50 mL
Protein (Total)	5 x 50 mL
Protein (Urine)	10 x 50 mL
Triglycerides	5 x 50 mL
Urea/BUN UV	10 x 50 mL
Uric Acid	10 x 50 mL
Pancreatic Amylase	1 x 50 mL

## Turbidimetry

Albumin (Microalbuminuria)	1 x 20 mL
Anti-Streptolysin O (ASO)	2 x 20 mL
CRP	2 x 20 mL
CRP-High Sensitivity	1 x 20 mL
Complement Component C3	1 x 20 mL
Complement Component C4	1 x 20 mL
Ferritin	1 x 45 mL
Hemoglobin A1c	1 x 50 mL
Immunoglobulin A	1 x 20 mL
Immunoglobulin G	1 x 20 mL
Immunoglobulin M	1 x 20 mL
Rheumatoid Factors (RF)	1 x 50 mL
Transferrin	1 x 20 mL
Antithrombin III	1 x 50 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.





Since Biosystems was first founded in 1981, our commitment has been to offer effective, reliable analytical systems to laboratories around the world.

Biosystems's A15 is a Clinical Autoanalyzer specially designed for using as a main instrument in small laboratories and as a back-up Analyzer in medium-sized and large laboratories.

With A15, Biosystems gives you a complete system that integrates Biochemistry and Turbidimetry reagents designed to achieve the highest performance.

A15 is easily adaptable to any work routine because of its many configuration options in the installation of samples and reagents. A15's performance (low water consumption, minimal maintenance and significant savings in the use of consumables) optimizes the operational cost of the laboratory.



## TECHNICAL FEATURES

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

Throughput	150 test/hour
Positions for racks	4
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	30
Reagent Bottles	20 mL y 50 mL
Dispensing TIP	Stainless Steel 110 mm
Detection Level	Capacitive
Dosing Pump	Ceramic Piston
Reagent Volume (Program)	10 µL - 440 µL
Sample Volume (Program)	3 µL - 40 µL
Distilled water bottle volume	3000 mL
Waste bottle volume	3000 mL
Reusable Methacrylate rotor	
Number of wells	120
Reaction volume range	200 µL - 800 µL
Lightpath	6 mm
Light source	Halogen lamp 6V, 10W
Photometric detection system	Silicon photodiode
Measurement Range	from -0.05 A to 2.5 A
Filter configuration	340, 405, 505, 535, 560, 600, 635, 670
Physical Dimensions	840 x 670 x 615 mm (long. x wide. x height)
Weight	45 Kg.



**A15**

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



**BioSystems**



• Certified Management System  
• EN ISO 9001  
• EN ISO 13485

Manufactured by: BioSystems S.A.

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