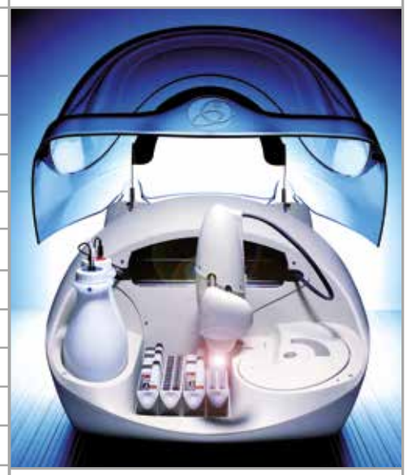
TECHNICAL FEATURES

Random access automatic analyzer aimed at giving IVD results with photometric reading directly in the reaction rotor.

Throughput	150 test/hour
Positions for racks	4 (Regents and samples)
Number of samples per sample rack	24 (Racks multipurpose)
Maxim capacity of samples	72 (primary tubs and pediatric vials in the same rack)
Flexibility in type of sample tubes	ø13 mm, ø15 mm (max height: 100 mm), pediatric cups ø13 mm
Number of reagents per reagent rack	10
Maxim capacity of reagents	30
Reagents bottles	20 mL and 50 mL
Dispensing tip	Stainless Steel
Level detection	Capacitive
Dosing pump	Ceramic piston of high durability
Reagent volume (program)	10 µL - 440 µL
Sample volume (program)	3 µL - 40 µL
System liquid bottle volume	2700 mL
Waste bottle volume	2700 mL
Washing solution bottle volume	2700 mL
Removable methacrylate rotor	120 reaction wells
Reaction volume range (program)	180 µL - 800 µL
Lightpath	6 mm
Light source	Halogen lamp 6 V, 10 W
Photometric detection system	Silicon photodiode
Measurement range	From -0.05 A to 3.0 A
Spectral range	340 nm – 900 nm
Filter configuration	340, 405, 505, 535, 560, 600, 635, 670 nm
Physical dimensions	840 x 670 x 615 mm (depth x wide x height)
Weight	45 kg

A15

CE



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

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BTS/10-2015

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www.tuv.com ID 0091006695 TÜVRheinland

- Certified Management System
- EN ISO 9001
- EN ISO 13485

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RANDOM ACCESS ANALYZER

A15

BioSystems
REAGENTS & INSTRUMENTS

Clinical Chemistry

Turbidimetry

A15 JUST A ELEGANT SYSTEM

Since its founding in 1981, BioSystems commitment has always been to offer effective, reliable analytical systems to laboratories around the world.

A15 is a compact and easy to use automatic analyzer, designed especially for small laboratories as their main analyzer offering the best performance and maximum efficiency. The **A15** is easily adaptable to any work routine due to the flexibility in the installation of samples and reagents.

A15's performance (low water consumption, minimal maintenance, high quality constituents and significant savings in the use of consumables) optimizes the operating cost of the laboratory.

With the automatic analyzer **A15**, BioSystems provides a complete system using our dedicated reagents for Clinical Chemistry and Turbidimetry designed to achieve the best possible performance.

- Throughput of 150 test / hour
- Good design with high functional robustness
- Open System
- Low water consumption (less than 0.5 L per hour)
- Maximum flexibility in the positioning of samples and reagents (mutual Racks)
- Real prozone detection function
- Capacity up to 30 reagents or 72 samples
- Ability to install together primary tubes and pediatric vials in any position
- Intuitive and easy to follow software, including bidirectional LIS Integration, STAT and Internal Quality Control Management (Levey-Jennings graphs)
- Automatic and configurable management of reagent interference
- Use of dedicated reagents ready to be used without manipulation or transfers

DEDICATED REAGENTS

Biochemistry

Cod.	Test	Presentation R1	Presentation R2	mL/Kit
12550	α-Amylase-Direct	5x20 mL		100
12799	α-Amylase-Pancreatic	1x40 mL	1x10 mL	50
12754	Adenosine Deaminase (ADA)	4x8 mL	1x10 mL	40
12533	Alanine Aminotransferase (ALT/GPT)	5x40 mL	5x10 mL	250
12547	Albumin	5x50 mL		250
12518	Alkaline Phosphatase (ALP)-AMP	5x16 mL	2x10 mL	100
12514	Alkaline Phosphatase (ALP)-DEA	5x16 mL	2x10 mL	100
12796	Angiotensin Converting Enzyme (ACE)	1x50 mL		50
12531	Aspartate Aminotransferase (AST/GOT)	5x40 mL	5x10 mL	250
12798	Bilirubin (Direct)	5x40 mL	5x10 mL	250
12510	Bilirubin (Total)	5x40 mL	5x10 mL	250
12570	Calcium-Arsenazo	10x50 mL		500
12513	Calcium-Cresolphthalein	5x40 mL	5x10 mL	250
12558	Carbon Dioxide (CO_2)	5x50 mL		250
12505	Cholesterol	10x50 mL		500
12557	Cholesterol HDL Direct	3x20 mL	1x20 mL	80
12585	Cholesterol LDL Direct	3x20 mL	1x20 mL	80
11795	Citrate*	1x40 mL	1x10 mL	50
12524	Creatine Kinase (CK)	3x12 mL	1x10 mL	45
12566	Creatine Kinase-MB (CK-MB)	3x12 mL	1x10 mL	45
12502	Creatinine	5x50 mL	5x50 mL	500
12734	Creatinine-Enzymatic	1x45 mL	1x15 mL	60
11794	Fructose*	1x40 mL	1x10 mL	50
12520	γ -Glutamyltransferase (γ-GT)	5x40 mL	5x10 mL	250
12503	Glucose	10x50 mL		500
12756	Glucose-Hexokinase	2x40 mL	2x10 mL	100
12735	Haemoglobin A1c-Enzymatic (HbA1c-ENZ)	1x50 mL	1x20 mL	70
12737	Homocysteine	1x40 mL	1x10,8 mL	50,8
12509	Iron-Ferrozine	5x40 mL	5x10 mL	250
12736	Lactate	2x40 mL	2x10 mL	100
12580	Lactate Dehydrogenase (LDH)	5x40 mL	5x10 mL	250
12793	Lipase	2x20 mL	1x8 mL	48
12797	Magnesium	5x16 mL	2x10 mL	100
12508	Phosphorus	3x24 mL	2x15 mL	100
12500	Protein (Total)	10x50 mL		500
12501	Protein (Urine+CSF)*	5x50 mL		250
12551	Total Bile Acids*	1x18 mL	1x6 mL	24
12528	Triglycerides	10x50 mL		500
12835	Unsatured Iron Binding Capacity (UIBC)	1x40 mL	1x10 mL	50
12516	Urea/BUN-UV	5x40 mL	5x10 mL	250
12521	Uric Acid	10x50 mL		500
11526	Zinc*	2x20 mL	1x10 mL	50

*** Standard included**

Turbidimetry

Cod.	Test	Presentation R1	Presentation R2	mL/Kit
13324	Albumin (Microalbuminuria)	1x40 mL	1x10 mL	50
13923	Anti-Streptolysin O (ASO)	1x40 mL	1x10 mL	50
13936	Antithrombin III	1x40 mL	1x10 mL	50
13084	Complement Component C3	1x50 mL		50
13085	Complement Component C4	1x50 mL		50
13921	C-Reactive Protein (CRP)	2x40 mL	2x10 mL	100
13927	C-Reactive Protein-hs (CRP-hs)	1x40 mL	1x10 mL	50
13160	Cystatin C	1x45 mL	1x15 mL	60
13934	Ferritin	1x30 mL	1x15 mL	45
13600	Fibrinogen	1x40 mL	1x10 mL	50
13047	Hemoglobin A1C-Direct (Hb A1C-Direct)	1x50 mL	1x10 mL	60
13044	Hemoglobin A1C-Turbi (Hb A1C-Turbi)	1x40 mL	1x10 mL	50
13082	Immunoglobulin A (IgA)	1x50 mL		50
13081	Immunoglobulin G (IgG)	1x50 mL		50
13083	Immunoglobulin M (IgM)	1x50 mL		50
13922	Rheumatoid Factors (RF)	1x40 mL	1x10 mL	50
13091	Transferrin	1x50 mL		50

BioSystems has developed a wide range of reagents intensively evaluated in different workload conditions and validated to achieve the highest performance in A25 and A15 systems. These systems comply with the requirements of European IVD Directive (98/79/EC) and as a consequence are CE marked. BioSystems recommends their use according to the instructions and applications validated by BioSystems.