TECHNICAL FEATURES

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

Throughput 240 test/hour Positions refrigerated reagents 30 (20 mL y 50 mL) Positions for racks not refrigerated 3 (rack polivalente)

Number of samples per rack 72 Maxim capacity of samples

Sample tubes ø13 mm, ø15 mm (max. height 100 mm)

Cups ø13 mm

Maxim capacity of reagents 52 (30 refrigerados + 22 no refrigerados)

Reagents bottles 20 mL and 50 mL Dispensing tip Stainless Steel Level detection Capacitive

Ceramic Piston of high durability Dosing pump CV < 2% with 3 µL of sample Dispensing system precision

Reagent volume (Program) 10 μL - 440 μL Sample volume (Program) 3 μL - 40 μL System liquid botlle volume 3000 mL Waste bottle volume 3000 mL 3000 mL

Washing solution bottle volume Removable methacrylate rotor 120 reaction wells Reaction volume range (program) 180 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 3.0 A 340 nm – 900 nm Spectral range

340, 405, 505, 535, 560, 600, Filter configuration

635, 670 nm

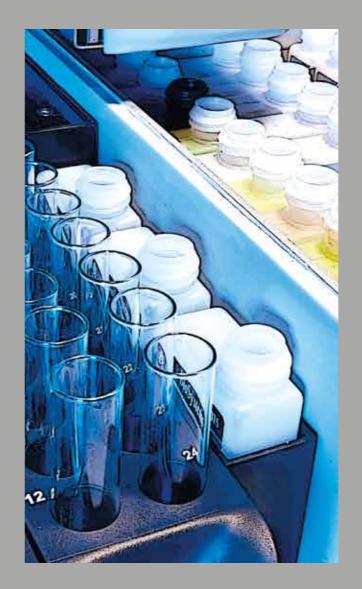
1080 x 695 x 510 mm Physical dimensions

(long. x wide x height)

Weight 73 kg (162 lb.)

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













THE PERFECT SYSTEM

DEDICATED REAGENTS









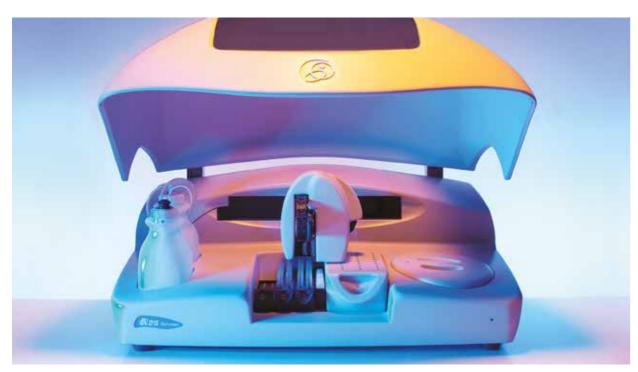










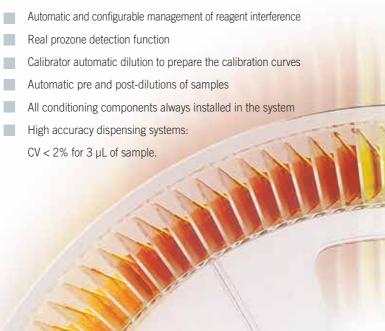


BioSystems has always prioritized top quality as the main goal in all its developments, aware of the capital role played by the clinical laboratory by towards the health of people. For BioSystems, quality means providing accurate and reliable results, without compromising the ease-of-use or the mechanical reliability.

BioSystems offers the A25 as a complete system that integrates biochemistry and turbidimetry dedicated reagents designed to achieve the highest performance, with reliable and durable mechanics and optics, and Software covering major areas of laboratory management 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.

- Throughput of 240 test/hour
- System capacity for refrigerated reagents up to 30 positions with independent power supply
- Flexibility in positioning of sample (primary tubes and paediatric vials in any position) and reagents
- Use of dedicated reagents ready to use without any manipulation or transfer
- Low water consumption: 1,6 L/h
- Minimum volume in reaction cuvette: 180 μL
- Intuitive and easy to follow software, including bidirectional LIS Integration, STAT and Internal Quality Control (Levey-Jennings graphs)
- Automated daily maintenance and self-check



Biochemistry						
Cod.	Test	Presentation		mL/Kit		
		R1	R2			
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 12531	Angiotensin Converting Enzyme (ACE)	1x50 mL	F10l	50		
12531	Aspartate Aminotransferase (AST/GOT)	5x40 mL	5x10 mL	250 250		
12798	Bilirubin (Direct) Bilirubin (Total)	5x40 mL 5x40 mL	5x10 mL 5x10 mL	250 250		
12570	Calcium-Arsenazo	10x50 mL	OX10 IIIL	500		
12570	Calcium-Cresolphthalein	5x40 mL	5x10 mL	250		
12558	Carbon Dioxide (CO2)	5x50 mL	JATO IIIL	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	0.10	500		
12756	Glucose-Hexokinase	2x40 mL	2x10 mL	100		
12735 12737	Haemoglobin A1c-Enzymatic (HbA1c-ENZ)	1x50 mL	1x20 mL	70		
12/3/	Homocysteine Iron-Ferrozine	1x40 mL 5x40 mL	1x10,8 mL 5x10 mL	50,8 250		
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					

		<i>J</i>		
Cod.	Test	Presentation		mL/Kit
		R1	R2	
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

Turbidimetry

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.

