

Analysers comparability

BioSystems



Characteristics	BTS	A15	A25	BA200	BA400
Weight (Kg)	4,3	45	73	166	210
Size (cm)	H35*D22*W42	H62*D67*W84	H51*D70*W108	H68*D69*W108	H126*D72*W120
Water consumption	-	0,5 L/h	1,6 L/h	9 L/h	14 L/h
Type of installation	Table	Table	Table	Floor	Floor
Low contamination waste bottle	-	3 L	2,7 L	**	**
High contamination waste bottle	-	×	×	2,4 L	5 L
Washing solution bottle	-	3 L	2,7 L	2,4 L	5 L
System liquid bottle	-	3 L	2,7 L	-	-
Readings over	Flow or disposable Cuvette	Rotor	Rotor	Rotor	Rotor
Refrigerated Positions	×	✓	✓	1x refrigerated rotor for samples and reagents	1x refrigerated rotor for samples and reagents
Non-refrigerated Racks	-	4	6	-	-
Number of needles	-	1	1	2	3
Features	BTS	A15	A25	BA200	BA400
N° of reaction wells per rotor	-	120	120	120	120
Max n° of reagents	-	30	52	88 positions	88
Max n° of samples	-	72	72	88 positions	135
Sample vessels	18 µL flow cuvette Tubes and Cups	Tubes and Cups	Tubes and Cups	Tubes and Cups	Tubes and Cups
Light source	LED + Hard coating filter	Halogen 6V, 10W	Halogen 12V, 20W	LEDs + Hard coating filter	LEDs + Hard coating filter
Washing station	×	×	×	✓	✓
Dedicated reagents	×	✓	✓	✓	✓
Automatic Predilution	×	✓	✓	✓	✓
Automatic Postdilution	×	×	✓	✓	✓
LIMS Interface	✓	✓	✓	✓	✓
Refrigerated reagents	×	✓	✓	✓	✓
Refrigerated samples	×	×	×	✓	✓
Code bar reader	×	×	×	✓	✓
Open System	✓	✓	✓	✓	✓
Times	BTS	A15	A25	BA200	BA400
Warming up	Automatic 5 min	Manual 20 min	Manual 15 min	Automatic 15 min	Automatic 15 min
Daily Maintenance	1 min	20 min	20 min	20 min	20 min
Cycle Time	Manual	24 s	15 s	18 s	9 s
Reaction Parameters	BTS	A15	A25	BA200	BA400
Throughput	Manual	Automatic 150 test/h	Automatic 240 test/h	Automatic 200 test/h	Automatic 400 test/h
Principles of analysis	Photometry	Photometry	Photometry	Photometry	Photometry
		Turbidimetry	Turbidimetry	Turbidimetry	Turbidimetry
		ISE Method	ISE Method	ISE Method	ISE Method
Throughput with ISE Module (Na, K, Cl)	×	×	×	267 test/h	480 test/h
Blank of cuvettes	✓	×	×	✓	✓
Sample volume	Automatic adjustment	2-80 µL	3-40 µL	2-40 µL	2-40 µL
Reagent Bottles	-	20 mL 50 mL	20 mL 50 mL	20 mL 60 mL	20 mL 60 mL
R1 volume	*	10-440 µL	10-440 µL	90-300 µL	90-450 µL
R2 volume	*	10-440 µL	10-440 µL	10-100 µL	10-300 µL
Sipping Volume	100-5000 µL	180-800 µL	180-800 µL	180-440 µL	180-600 µL