

# Specifications

Analysis	System	Discrete single line random access multi-test analysis
	Number of test items on board	36 + 3 items (ISE)
	Throughput	480 tests/hour, 580 tests/hour with ISE *160 tests/hour for HbA1c only (with hemolysis)
	Analysis methods	End point assay, Rate assay, ISE
	Calibration curve	8 kinds (Linear, Spline, etc)
Sample	Contents of test	Serum, Plasma, Urine, Dialysis, CSF (ISE not available for CSF)
	Sample container	Sample cups (0.5 mL, 1.5 mL), Primary tubes (2mL, 5 mL, 7 mL, 10 mL)
	Number of samples on board	72 patient samples and standard samples, 30 positions for QC and/or STAT samples
	Sample dispensing volume	1- 20 µL (in 0.1 µL steps)
	Dilution ratio	3-100 times
	STAT	Available during measurement
	Sample barcode reader	Available
Reagent	Number of bottles on board	R1: 36 positions, R2: 35 positions
	Bottle size	R1: 70 mL, R2: 20 mL
	Reagent dispensing volume	20-240 µL (in 0.5 µL steps)
	Reagent Storage	Reagent tray cooling available
	Reagent residual volume	Level sensing or count down calculation
	Reagent barcode reader	Available
Reaction	Cuvette material	Plastics (Semi-disposable)
	Number of cuvettes	90
	Cuvette washing	Auto washing with heated water and 2 kinds of washing solutions
	Washing solution	Alkaline and acid washing solutions
	Cuvette skip function	Available
	Reaction time	3.5 min. after sample dispensing + 5 min. after R2 dispensing
	Reaction volume	120- 300 µL
	Reaction temperature	37°C ± 0.3°C
	Photometric assay method	Grating method
	Optical measurements	12 fixed wavelengths (340, 380, 405, 450, 505, 546, 570, 600, 660, 700, 750, 800 nm)
	Optical source	Tungsten halogen lamp
	Optical range	OD 0- 3.0
	Mixing	By stirrers
	Mixing speed	5 speed levels available
Interface	Operation	Personal computer
	OS	Windows 7
	Output	RS232C serial cable, LAN (TCP/IP)
	Reaction curve monitor	Optical absorbance graphic display
	Quality control	Realtime QC, Within a day, Day-to-day variation
	Test results storage	100,000 tests

※The specifications are subject to change without notice.