

## Specification

Analysis	System type	Discrete single line random access multi-test analysis
	Number of test items on board	36+3 (ISE) or 24+3 (ISE)
	Throughput	240 tests/hour, 400 tests/hour including ISE
	Analysis method	End point assay, rate assay, ISE (option)
	Calibration curve	9 kinds (linear, spline, etc)
Sample	Sample kind	Serum, plasma, urine, CSF
	Sample container	Sample cup, primary tube (5, 7, 10 ml)
	Number of sample on board	Maximum 55/tray
	Number of sample tray	Maximum 10
	Sample dispense volume	2.0- 30.0 $\mu$ l (0.1 $\mu$ l step)
	Dilution ratio	6, 10- 100
	STAT sample	Available
	Sample barcode	Barcode reader supplied as an option
Reagent	Number of bottles on board	72 (36 items) or 48 (24 items)
	Bottle volume	13, 25, 40 ml or 20, 40, 60 ml
	Reagent dispense volume	20- 330 $\mu$ l (1 $\mu$ l step)
	Reagent storage	Reagent tray cooling available
	Residual volume	Level sensing or count down calculation
	Reagent tray	36-sectors or 24-sectors (Removable)
	Reagent barcode	Barcode reader supplied as an option
Reaction	Cuvette material	Plastics (Semi-disposable)
	Reaction volume	Minimum 140 $\mu$ l, maximum 400 $\mu$ l
	Reaction time	10 min. (1st reaction 5 min., 2nd reaction 5 min.)
	Reaction temperature	37.0 $\pm$ 0.1 $^{\circ}$ C
	Optical measurement	12 fixed wavelengths (340 -800 nm)
	Optical source	Tungsten halogen lamp (Long-life type)
	Optical range	OD 0- 2.5
	Cuvette washing	Auto washing with heated water and 2 kinds of washing solution
	Reaction waste collection	Reaction waste to be stored in a dedicated tank
	Pure water consumption	Maximum 3.5 l/hour
User interface	Run monitor	Analyzer operation status display
	Reaction curve monitor	Optical absorbance graphic display
	QC	Based on Westgard's algorithm, etc.
	Voice message	Available
	Test results storage	10,000 samples maximum
	Printer	Internal, External (option)
	Power supply	AC 100/115/230 volt (50/60 Hz)
	Environmental conditions	Ambient temperature 15- 30 $^{\circ}$ C, Humidity 30- 80% (No condensation)
	Dimension	800 mm (w) x 670 mm (d) x 520 mm (h)
	Weight	Approx. 95kg
Option	ISE module	
	Sample barcode reader, Reagent barcode reader	
	Water purification system	
	External printer	

\*Specification may change without notice due to modification