

# TECHNICAL SPECIFICATIONS

ITEM	SPECIFICATION
Principle	Latex Immunoturbidimetry, Immunoturbidimetry, Colorimetry
Method	Rate Method, End Point Method, Fixed Time Method
Test Items	Up to 69 items at the same time
Throughput	Constant speed 800 T/h Optional ISE module 200 T/h
Sample Dispenser Volume	2.0 $\mu$ L~35.0 $\mu$ L (step by 0.1 $\mu$ L)
Sample Tray	137 sample positions (including patient samples, calibrators and controls) <b>Inside track:</b> 87 sample positions <b>Outside track:</b> 25 calibrator positions, 25 sample positions
Reagent Dispenser Volume	R1:20.0 $\mu$ L~300.0 $\mu$ L R2/R3/R4:0 Or 20.0 $\mu$ L~300.0 $\mu$ L (step by 1 $\mu$ L)
Reagent Tray	<b>Reagent positions:</b> 69 positions for outside track and 45 positions for inside track Corresponding reagent bottle capacity: 20 mL, 70 mL <b>Refrigeration function:</b> circulating chilled water refrigeration
Minimum Reaction Volume	180 $\mu$ L
Optical Measuring Method	Multi-wavelength direct optical measurement <b>Light source:</b> halogen lamp (20 W), life span 2000 h <b>Optical splitter:</b> Raster <b>Detector:</b> Photodiode array <b>Wavelength:</b> select 1 or 2 among 12 preset wavelengths
Cuvette	Quartz glass; 165 cuvettes, individually replaceable
Stirring	Changeable stirring intensity, rod rotary stirring
Reaction Temperature	Directly solid heating, (37 $\pm$ 0.2) $^{\circ}$ C constant temperature control
Preheating Time	No less than 20 min
Instrument Water Consumption	20 L purified water per hour
Dimensions	1640 mm (L) $\times$ 940 mm (W) $\times$ 1215 mm (H)
Weight	500 kg