NOVA 2100 Fully Automated Bio-Chemistry Analyzer

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System function	
Throughput	100T/H (single/double reagent)
Analysis method	Two-point, end-point, kinetic, spline
Analysis item	200 colorimetric items
Sample & Reagent system	
Sample position	20+2 positions
Sample & reagent probe	1 independent probe with stirring function
Sample cup specification	Standard cup Ø12X37mm
	Blood tube Ø12X100mm
	Plastic tube Ø12X100mm
Sample volume	5～100μl, 1μl stepping
Sample & reagent probe technology	Liquid level detection,
	X+Y+Z dispensing system
Sample & reagent probe cleaning	Automatic washing both interior and exterior
Reagent position	30-50, Refrigerated reagent tray
Reagent volume	10～500μl, 1μl stepping
Reagent bottle	15ml

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Reaction system	
Reaction position	48, optical cuvettes
Cuvettes specification	Optical diameter is 5.8mm
Reaction volume	180～500μl
Reaction temperature	37℃
Wastewater treatment	Waste liquid level alarming (optional)
	Purified water level alarming (optional)
Reaction cuvette cleaning	4-step auto water washing with detergent
Optical system	
Light source	10W/6V halogen lamps
Spectrophoto metry	Forward
Wavelength	8wavelengths: 340nm, 405nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 700nm
Absorption range	0～3.5Abs
Resolution	0.0001Abs
Calibration and QC	
Calibration method	1-Point linear, 2- Point linear, multiple point linear, non-linear method
QC method	Real-time QC days QC & day QC
Control rule	Westward multi-rule, L-J plot
Operating system	
Operating system	Windows XP /Windows 7
Interface	Standard RS-232
Language	Multi-language