## Bio Complex Technical Specifications

SIZE	Height: 110.8 cm ( in)
	Depth: 85 cm ( in)
	Width: 122 cm ( in)
WEIGHT	Weight: 450 kg ( lbs)
POWER SUPPLY	AC 220 V ± 10 %, 50/60 Hz, 2.6 kVA
SAMPLING ARM	1 sampling needle, 2 reagent needles, 2 mixing paddles
111110000	Capacitive liquid level detector
	Needle-shock sensor
HYDRAULIC SYSTEM	Containers: Water (2 L), Waste (2 L
REAGENTS TRAY	2 removable racks, refrigerated when on-board, 45 positions each
SAMPLES TRAY	Removable tray, 84 positions for routine samples, 61 refrigerated positions for
MANALALA	calibrators and controls
CUVETTE ROTOR	231 washable plastic cuvettes, optical path: 10 mm
REACTION CELLS	Built-in washing station
OPTICAL GROUP	14 different wavelengths: 340, 410, 451, 478, 505, 545, 571, 596, 658, 694, 751, 805,
	845, 884 nm
CONTROL	Real-time multitasking microprocessor-based control
	Easy access to the electronics
EXTERNAL COMPUTER	Industrial Embedded PC
NYNALLA	18-inch touch screen
	4GB RAM, Windows XP
MALLE	USB port
PIPETTING	Volume: 1 - 25 µl (sample), 80 - 430µL (reagent)
REACTION	300 - 500 μL reaction volume
SAMPLE DILUTION	Automatic pre-dilution in a reaction cuvette, up to 1:100
	Automatic test repetition with dilution
REFRIGERATION	Reagent refrigeration, 8-12°C
TYPES OF TESTS	Endpoint, bichromatic endpoint, differential endpoint,
	differential endpoint sample blank, fixed time, kinetic
TEST RUNS	Random / Urgent
MEASUREMENT RATES	800 tests/h for single reagent run
SLEEP MODE	Start-up and Shut-down can be programmed by weekly timer
CALIBRATION	Linear: factor, linear, linear regression
	Non-linear: cubic spline
MAINTENANCE	Procedures programmed by component life counters
PRINTING	Single test, complete sample, work sheet, calibration, method and QCs
REPORTS	Automatic sample reports upon test completion if requested,
	Export as .csv, .xls, .doc, .pdf
NEEDLE WASHING	Sampling needle washed internally and externally
	with water after every operation, special needle wash routine upon request

SACTOR S	
POWER	Standard VDE removable power cord
HOST/LIS	Ethernet LAN (samples, work list, results)
	Standard ASTM ASCII protocol
QUALITY CONTROL	Up to three-level controls per test, one-month monitoring
	Reagent/calibrator/control lot monitoring,
ERROR LOG	Automatically stored at run-time, can be viewed or printed

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