

BC 2000
Fully Automatic Chemistry Analyzer



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ISO 9001
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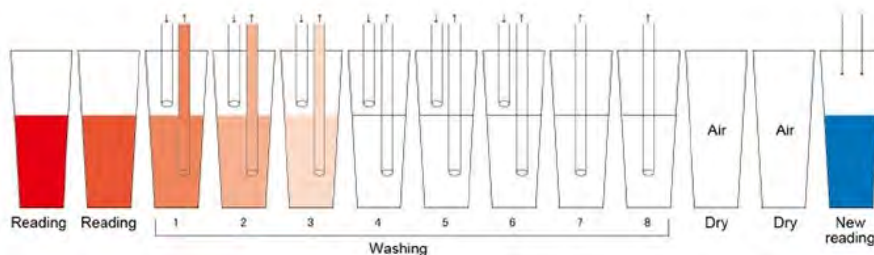
GMP
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ISO 13485
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Features

- Random access and direct reading system
- New concept and more friendly software
- Automatic washing station for both sample and reagent probe
- Liquid level detection, collision protection for sample / reagent probe.
- Reliable cooling system for reagent chamber
- 8 channels automatic cuvette washing system
- Perfect self-checking and alarm function
- Bar code reader and ISE Module available on request
- Designed with environmental protection concept

Automatic cuvette washing and blanking makes more precise results





Sample/Reagent Probe

- Sample/reagent probe with liquid sensor, anti-collision sensor and automatic washing function.
- Independent mixer ensuring full reaction of sample/reagent position.
- Teflon coated stirrer to avoid liquied subsension and reduce cross connection.



Sample/Reagent Disk

- 47 positions reagent (80 positions optional); 24-hour continuous refrigeration system with independent switch.
- 50 sample positions, available to use serum cup or blood tube.



Reaction Cuvettes

- High quality UV-transmitted plastic cuvettes and quartz glass cuvettes (optional).
- Individual single cuvette can be replaced
- Reaction cuvettes ensure cost savings with enhance durability of 9 to 12 months.



Channels automatic washing system

- Eight channels washing station for each cuvette, automatic record and deduct cuvette blank value .
- Upgraded auto washing system ensure low carryover and low water consumption.



SPECIFICATIONS

Description	Fully Automated, discrete, random access clinical chemistry analyzer
Measuring principle	Spectrophotometry
Photometric throughput	Up to 200 tests/hour
Photometric system	HCFG rear spectrophotometry
Methodology	End point, Fixed time, Kinetic, Single & Dual reagent chemistries Mono & Bi chromatic, Linear & non-linear multipoint calibration
Light source	Halogen - Tungsten lamp (12V/20W)
Monochromator	Grating Photometry (Holographic Concave Flat Field Grating)
Wavelength	8 no filter (340 ~ 80 nm)
Linear range	0 ~ 3.3 Abs
Detector	Photodiode array
Reagent tray	47 position of reagents for 24 hours refrigerated compartment 50 position for sample
Sample position	Up to 50 positions for sample
Sample cuvette specification	Standard cup, original blood tube, multi-specification tube (10~13) x (75~100) mm
Sample reagent probe	Digital liquid level detection and vertical collision protection
Sample dilution	Pre & Post dilution facility
Reagent volume	10~400 µl
Sample volume	2~50 µl
Dilution vessel	UV plastic semi permanent cuvette
Reagent bottle volume	20 & 40 ml
Reaction cuvette	90 positions high quality UV-transmitted plastic cuvette
Cuvette path length	7 mm
Reaction volume	100~400 µl
Reaction temperature	37±0.1°C
Reaction disk constant temp.	Thermostat air bath
Mixing system	Teflon coated stirrer
Laundry system	8 Channles automatic washing system
PC operation system	Windows 7 or Windows 10
PC configuration	CPU > 2.9 Ghz (dual core processor); RAM > 4 GB; Harddisk ≥ 160 GB
Analysis control	Graphical operating software
Report printing	Supports user-defined mode, QC and state information etc
System connection	RS 232
Calibration method	Linear (One-point, two-point and multi-point), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial
Quality control method	Real-time, daily, monthly & QC chart Visual QC assessment QC histroy checking QC error analysis
Parabola control rules	Westgard multi-rule, L-J chart
Power supply	100~240 VAC 50/60Hz Power 600VA
Ambient temperature	15°C~25°C
Relative humidity	40% ~ 85%
Atmospheric pressure	70-106kPa
Water consumption	2L/hour
Dimensions (LxWxH)	744x703x530 mm
Weight	Approx. 100 kg