

CLINICAL CHEMISTRY ANALYZERS

Suitable Solutions for a wide range of laboratories

We provide a number of scalable biochemistry solutions to meet different laboratories' needs.

With a history of almost 20 years, we are a well-experienced wet chemistry analyzer supplier.

The well selected high-end quality analyzers produced by key international players in IVD industry, have affirmed ourselves as one of the most appreciated brands. Moreover, the easy-to-use, advanced workflow combined with our top edge end-user clinical chemistry training maximizes cost-efficiency and improves turnaround time.



CliniPak

Diagnostics

With Dedicated Chemistry Packs



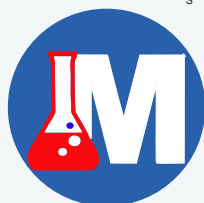
ALCOR 
Auto-Chemistry Analyzer



Edif
CORE



CliniPak
Semi



Microbiology E.A. Ltd

...Redefining Point of Care Testing...

Garden Estate, Garden Court Rd, Nairobi

☎ 020 790 5150 (Hotline)

✉ info@microbiology.co.ke
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IDEAL CHOICE FOR

LOW COST

RELIABLE PERFORMANCE



Main Specifications

Absorbance Range	-0.500 - 3.000Abs
Resolution	0.001Abs (displayed), 0.0001Abs (calculated)
Light Source	Halogen lamp
Wavelengths	340,405,500,546,620nm, 3 more filters optional
Wavelength Accuracy	± 1nm
Band Width	< 8nm
Cross Contamination Rate	< 1%
Interface	RS-232 serial cable
Flow Cell	Metal - quartz flow cell
Temperature Control	25°C, 30°C, 37°C, ±0.1°C and ambient temperature
Display	LCD display
Output	Internal printer or external printer(optional)
Power Supply	AC 100V - 240V ± 10%, 50-60Hz
Net Weight	7KG
Dimensions L × W × H (mm)	360 × 318 × 160



Flow Cell



Cuvette(optional)



Keypad



Internal printer



RTA-19 Incubator
(optional)

Test Report

Item Name: ALT
From: 2006-12-15
Date: 2006-12-31

Sample No: 1
To: 2006-12-30

No	Item	Result	Remark
1	ALT	132.098	H
2	ALT	103.213	--
3	ALT	50.098	L



Physical characteristics

SIZE/ WEIGHT	Height: 40cm (15.7in) Depth: 60cm (23.6in) Width: 38cm (14.9in)	Weight: 20kg (41.8lbs)
POWER SUPPLY	100-240 Vac, 50/ 60Hz, single phase with ground Fuses: 2 Amp @ 230 Vac, 3.15 Amp @ 115 Vac Power consumption: less than 150 VA (external PC excluded) Ground resistance: less than 0.1Ohm Leakage current: less than 2.5mA	
SAMPLING ARM	1 sampling needle, 75mm needle stroke Capacitive liquid level detector	
DILUTER SYRINGE	Long life plunger Syringe capacity, 368µL Syringe resolution, 0.07µL	
HYDRAULIC SYSTEM	2 self-priming peristaltic pumps (life 1000 hrs) with replaceable neoprene cassette (life 500 hrs) Optional 3 rd peristaltic pump+aspiration needle to empty reaction cuvettes Pinch valve Containers: Water, 2L; Waste, 2L Water consumption: 4mL/test average	
REAGENTS TRAY	Removable reagent rack 20 bottle, 38mL or 15mL Optional multiple reagent trays with worklist automatically managed by the software	
SAMPLES TRAY	Removable tray, 10 numbered positions, tubes of 12-13 mm, 5-7mL/cups of 1mL (cups requires a metal adapter for level detection) Optional configuration: 10 reagent positions and 20 sample positions	
CUVETTE ROTOR	4 reaction segments of 24, single use, optical cuvettes, total 96	
REACTION CELLS	Optical path 9.5 mm, 275-500µL reaction volume 100W heating resistance, temperature sensor	
OPTICAL GROUP	1 halogen lamp (6V, 10W) with extended UV emission 2 focusing lenses, optical glass 10-position filter disk: 8 positions provided with interference filters of 340, 405, 505, 546, 578, 600, 650, 700nm wavelengths, 1 free position and 1 solid position for dark reading, ±2 nm on peak wavelength, band pass of ±10nm	
PHOTO AMPLIFIER	Photoelectric detector Signal amplifier Response range, 320nm to 900nm Photometric range, 0 to 3 Abs Linearity, ±0.5% (0.1 to 1.5 Abs) Precision: 0.5CV% (0.100 to 1.500 Abs) Stability: daily reader of set, less than 1% drift per day	
CONTROL	Real-time multitasking microprocessor based control Easy access to the electronics	
EXTERNAL COMPUTER	Minimum requirements: Intel i3 family, 4GB Ram Minimum 900 dots vertical resolution Graphics adapter end multithread processor Keyboard, mouse, A4 printer Microsoft Windows® 7 or 10 Framework: .NET framework 4.6 USB port for analyzer connection Ethernet LAN port for LIS host communication External Laser A4 printer suggested Software designed for touch screen monitor	



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Acid Phosphatase	■	HbA1c (HbA1c, HbA1)	■
Albumin (ALB)	■	HDL Cholesterol (HDL-C)	■
Alkaline Phosphatase (ALP, AP)	■	Iron (Fe)	■
Alpha-Amylase (AMY, AMS)	■	LDH (LDP-P)	■
Bilirubin Direct (DBIL)	■	LDL Cholesterol (LDL-C)	■
Bilirubin Total (TBIL)	■	Lipase (LIP, LPS)	■
Calcium (Ca)	■	Magnesium (Mg)	■
Chloride (Cl)	■	Microalbumin (MALB)	■
Cholesterol (CHOL)	■	Pancreatic Amylase (PAMY)	■
CK-MB (CK-MB)	■	Phosphorus Inorganic (Po3, PHOS)	■
C-reactive Protein (CRP)	■	Potassium (K)	■
Creatinine (CREA)	■	rheumatoid Factor (RF)	■
Ferritin (FER)	■	Sodium (Na)	■
Gamma-GT (GGT)	■	Total iron Binding Capacity (TIBC)	■
Glucose (GLUC)	■	Total Protein (TP)	■
GOT/ASAT (AST, SGOT)	■	Triglycerides (TG)	■
GPT/ALAT (ALT, SGPT)	■	Urea (UREA, BUN)	■
		Uric Acid (UA)	■



ALCOR

Auto-Chemistry Analyzer



MADE IN ITALY

Physical characteristics

SIZE / WEIGHT	Height: 40 cm (15.7 in) Depth: 67 cm (26.4 in) Width: 60 cm (23.6 in)	Weight: 32 kg (70.5 lbs) Depth: 67 cm (26.4 in)
POWER SUPPLY	100-240 VAC, 50 / 60 Hz, single phase with ground Independent on-off switch for refrigerated reagent plate Fuse compartment / fuses: 2 Amp @ 230 Vac, 4 Amp @ 115 Vac Power consumption: less than 200 VA (external PC excluded) Ground resistance: less than 0.10 Ohm Leakage current: less than 2.5 mA	
SAMPLING ARM	1 sampling needle, 80 mm needle stroke Capacitive liquid level detector	
DILUTER SYRINGE	Long life plunger Syringe capacity, 368 µL Syringe resolution 0.14 µL	
HYDRAULIC SYSTEM	6 selfpriming peristaltic pumps (life 1000hrs) with replaceable neoprene cassette (life 500hrs) 2 vacuum pumps Pinch valve Manifold Containers* : Water, 5L; Cleaning solution, 2L; Waste, 5L * equipped with level sensor and safety connections	
WASH STATION	Needles: 4 dispensing, 5 aspiration, 1 cleaning (8 step washing sequence for each cuvette)	
REAGENTS TRAY	Removable rack 30 bottles, 38 mL or 24 mL (up to 1140 mL total)	
SAMPLES TRAY	Removable tray, 30 + 20 numbered positions, 30 tubes of 12 x 75 mm / 20 cups (3,5 ml type)	
CUVETTE ROTOR REACRION CELLS	Removable BIONEX® which allow up to 30,000 test per rotor Optical patch 6 mm, 210 -350ul reaction volume 100W heating resistance, temperature sensor, safety thermostat	
OPTICAL GROUP	1 halogen lamp (6 V, 10W) with extended UV emission 2 focusing lenses, optical glass 10 position filter disk 8 positions provided with interference filters of 340, 405, 505, 546, 578, 600, 650, 700 nm wavelengths 1 free position and 1 solid position for dark reading Direct reading reaction cuvettes 6mm optical path ± 2nm on peak wavelength, band pass of ± 10nm	
PHOTOAMPLIFIER	Photoelectric detector Signal amplifier Response range, 320 nm to 900 nm Photometric range, 0 to 2.5 Abs Linearity, ±0.5% full scale Precision: 0.5 CV% (0.050 to 1.500 Abs) Stability: daily reader offset less than 1% drift per day	
CONTROL	Real-time multitasking microprocessor based control Easy access to the electronics	
EXTERNAL COMPUTER	(Minimum requirements) CPU: dual Core, 1.7 Ghz RAM: 2GB I/O: USB 2.0 port Display: minimum resolution 1280x900 OS: Windows® Framework: NETframework 4.0	

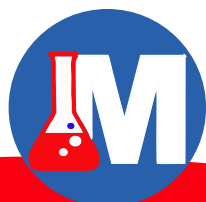


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