



About Us

GCMED CORP. is a licensed and duly registered Corporation engaged in the marketing and distribution of highly technical medical products. It is wholly owned Filipino Distributing Corporation whose vision is to provide affordable and quality products and supply that would certainly be of assistance to the pharmaceutical needs of the nation and also engage in diagnostic laboratory equipment.

Contact Us

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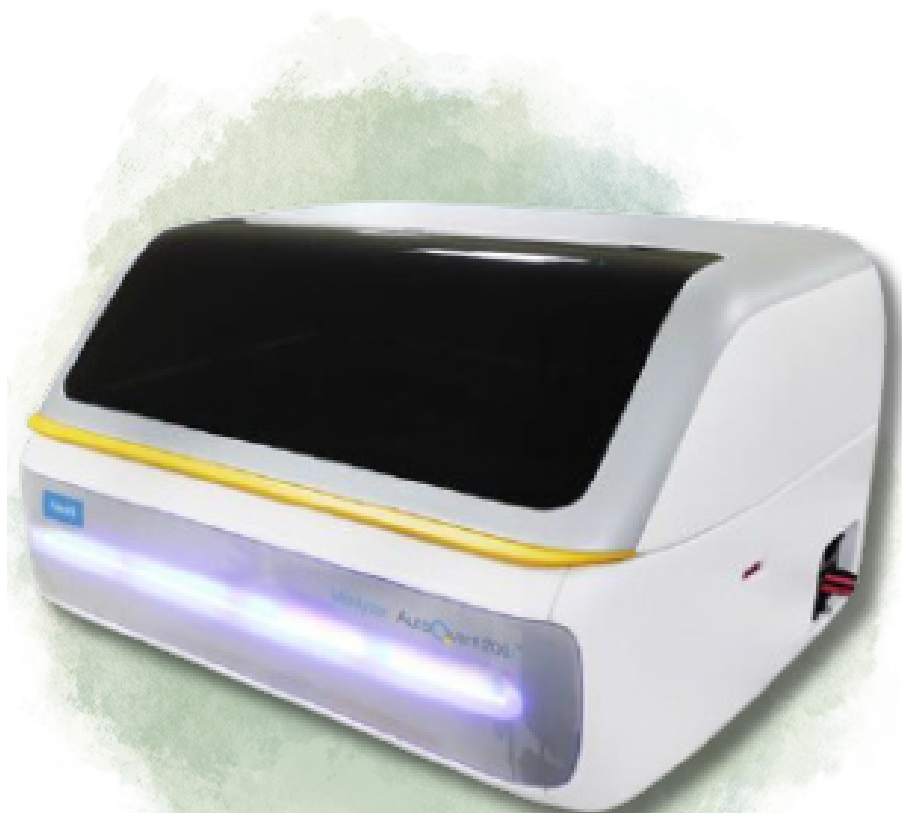
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 GCMED

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CHEMISTRY ANALYZER MERILYZER 200iv2



Merilyzer 200iv2

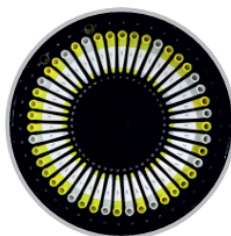
Chemistry Analyzer

Fully Auto Random Access Analyzer with throughput of 200 tests per hour. Its unique model with inbuilt laundry & with cooling facility for Reagents makes its ideal for medium sized laboratory & as a back up for bigger laboratories. Its intuitive software & feature of user defined reflex action makes it a user friendly Fully Automatic Analyzer.

Reagents

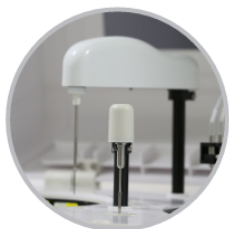
Reagent & Sample Tray

- 45 refrigerated reagent positions & 45 sampling position
- Reagent & Sample positions are bar code enabled
- Detachable Reagent Tray
- Peltier based cooling system to maintain temperature between 8 to 12°C
- 20 ml Reagent bottles with dead volume of 750 µl
- Primary tubes size (12 mm x 75 mm) & samples cups can be used
- Continuous loading
- STAT/Controls/Calibrators can be placed at any position



Sample, Reagent Probe & Stirrer

- Hydrophobic probes which prevents cross contamination
- Capacitive level detection
- Vertical and horizontal obstruction detection facility to prevent probe crash
- Long life pipetting system with plunger driven by precise stepper motor
- Single micro coated stirrer



Reaction & Optical System Unit

- 60 discrete, dismountable, easily replaceable and reusable cuvettes with 6 mm optical path
- COP material which ensures high transmittance with long life
- 7-step on board washing
- Cuvettes carry over <1%
- Probe carry over <3%
- Continuous cuvette blank checking, if blank exceeds the limit, cuvette is skipped
- Low water consumption of 5 to 6 litres
- Halogen Tungsten lamp, with fibre optics
- Silicon photo-diode detector
- Photometric system of static filters with total 9 filters (340, 405, 450, 510, 546, 578, 620, 670, 700 nm)



Specifications

Throughput	200 Tests / hour
ISE (Optional)	300 Test / hour
System Functions	
Analysis method	End Point, Fixed Time (2-point), Kinetic/Rate
Assay modes	Colorimetry, Turbidimetry, Single and Double reagent, Multi standard, Mono and Bi – Chromatic
Sample / Reagent handling	
Sample volume	2 - 50 µl 0.1 µl step
Sample dilution	2 to 40 times
Sample position	45 for cup/tube
Reagent position	45 for R1 and R2
Reagent volume	Reagent 1: 180-350 µl (Adjustable in 1 µl step) Reagent 2: 0 or 10-350 µl (Adjustable in 1 µl step)
Reaction System	
Reaction cuvette	60 (Dismountable)
Cuvette washing	On board laundry with 7 step washing system
Water consumption	5 - 6 litres / hour
Optical length of cuvette	6 mm
Reaction volume	180 - 550 µl
Reaction time	30 to 600 sec (Depending on the designated cycle time and number of reagents)
Reaction temperature	37 ± 0.2° C
Optical System	
Measurement	Photometry
Light source	Halogen Tungsten lamp
Wavelength	Total 9 filters (340, 405, 450, 510, 546, 578, 620, 670, 700 nm)
Absorbance range	0 - 3.0 Abs
Resolution	0.0001 Abs
Calibration	
Calibration points	K-Factor, Linear (one, two and multi point), Logit-log, Spline, Exponential, Polynomial (second, third and fourth order)
Auto re-run	Multipoint curves for up to 6 points execution by repeat run list or auto execution Auto execution according to abnormal marking or range over
Data Storage	
Test results	Unlimited tests
Reaction curve	Unlimited tests
Profiles	12
	Within day as well as day-to-day X and X-R control diagram (L-J Graph)
Quality Control	
	Real time quality control based on Multi-rule method mean, SD, %CV, R is calculated for all parameters for sample replicates
Working Conditions	
Power supply	100-240 VAC, 50/60 Hz (Max. Power 250 W)
Temperature	15°C - 30°C variation during operation
Humidity	40% - 80% free from water dew formation
Operation System	
Input and Output	Windows XP, Windows 2007, Window 8, Windows 10 or Windows 10 IOT
Input	RS 232 interface/computer
Output	Multi Format Printout
Dimensions	736 mm (L) x 553 mm (W) x 432 mm (H)
Weight	Approx. 46 kgs

