

# Technical specification

<b>System features :</b> Random Access, STAT: Sample, Calibration & QC priority	<b>Laundry System :</b> Independent washing station for Probe and Mixer Onboard 4 Step Washing for Cuvettes
<b>Throughput :</b> 160 Test/hour	<b>Sample dilution :</b> Programmable Pre - dilution / Auto - dilution available
<b>Measuring Principle :</b> Absorbance Photometry, Immunoturbidimetry	<b>Optical System :</b> 8 Static Wavelength ( 340-670nm) Halogen lamp Absorbance range 0 ~ 3.5 Abs
<b>Assay Method :</b> Endpoint Kinetic Two-Point/Fixed Time Linear/Non-linear multipoint calibration Bichromatic/Monochromatic Single/Dual Reagent chemistry	<b>Reaction volume :</b> 200-300 µL
<b>Reagent/Sample Tray :</b> Up to 40 Sample Positions Up to 36 Reagent Positions On board cooling<=15°C	<b>Control and Calibration :</b> QC with L J plot, Westgard rules Linear, non-linear, multi standard, K factor
<b>Reagent Volume :</b> 1µL~400µL	<b>Operation Unit :</b> Windows XP or Vista & Windows 7, Windows 10, Windows 11
<b>Sample Volume :</b> 1µL~100µL	<b>LIS :</b> Unidirectional
<b>Reagent / Sample probe :</b> 2 Probes 1 Sample / reagent Probe 1 Mixer	<b>Working Conditions :</b> Power Requirements : 220 ± 22V~,50 ±1Hz or 110±11V~, 60±1Hz 1000VA  <b>Dimensions :</b> 650mm(L) x 520mm(B) x 484mm(H) <b>Net Weight :</b> 54Kg

\*Specifications are subject to change without the prior notice of manufacturer.



Empowering Diagnostics, Enabling Care

## AGD 1600

Fully Automatic Clinical Chemistry Analyzer  
A Complete Walk Away System !



- Compact, Benchtop, Random Access
- 160 test/hour Throughput
- STAT provision for Sample, Calibration & Quality Control
- Onboard Laundry system
- Isolated air flow in probe to avoid contamination
- Programmable auto maintenance facility



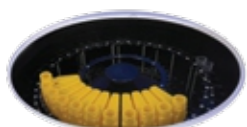
Marketed By :  
**VR HealthTech**

Plot No. 2, First Floor, N.K. Sharma Office Road  
Lohgarh, Zirakpur-140603,  
Distt. Mohali. Punjab  
E-mail : vrhealthtech@gmail.com  
Mobile : +91-9466104609 | www.vrhealthtec.com

Manufactured By :  
**AGD Biomedicals Pvt. Ltd.**

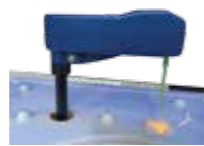
# GREAT CHEMISTRY<sup>®</sup>

AGD 1600 is a Benchtop, Compact, Fully Automatic Clinical Chemistry Analyzer that offers Good Reliability, Efficiency & Highly accurate results.



## Sample / Reagent Tray

- Upto 40 sample Positions
- Upto 36 Reagent Positions
- Onboard refrigeration facility ( $\leq 15^{\circ}\text{C}$ )
- Onboard Detergent facility



## Stirrer Mechanism

- Stirrer that provide proper mixing
- Ensures highly precise & accurate results



## Laundry System

- 4 Step washing system
- Water Consumption upto 2.5litre/hour
- Independent washing station for Probe & Mixer



## Reaction Tray

- 60 reaction cuvettes which can be replaced individually
- Reaction volume- 200-300 $\mu\text{L}$
- Optical Path length - 6mm



## Sample / Reagent Probe

- Single Probe for sample/reagent
- Isolated air flow in probe to avoid contamination



## Optical System

- Halogen lamp with long shelf life
- 8 Static Wavelength
- Absorbance Range 0~3.5 Abs



## User Convenient Software

- Ease in programming daily work list
- Simultaneous accessibility of multiple tabs
- Editable auto dilution mode
- Onboard reagent volume monitoring



## QC & Calibration

- Optimum calibration curve
- Tri-level QC with LJ Plot & Westgard rules
- Simultaneously monitoring 2 levels of QC



## Device Maintenance

- Blanking option to monitor onboard cuvette life
- Sleep mode to increase lamp shelf life
- Soak cuvette facility to increase cuvette life

- A complete walk away system with Exclusive Automated features.
- Auto dilution for high linearity samples.
- Use of Multiwavelength option eliminates interferences from abnormal samples.
- Onboard & Onscreen Alarm facility alerts the user for any malfunctions.
- Independent Probe & Mixer facility provides highly precise results.
- STAT facility for Sample/QC/Calibration helps the user with quick reporting.
- Auto-maintenance function saves user time.
- Wide range of dedicated Systempak available.
- Onboard 4 step laundry system.

- Wide range of Clinical Chemistry Reagent
- Liquid Stable Systempak.
- Packsize option suitable to meet customer needs
- Good Onboard Stability of Systempak

