Technical specification :

System features :	Bench top, Compact Random Access
STAT function :	Sample
Throughput :	Up to 160 Tests / hour
Measuring Principle :	Absorbance Photometry, Immunoturbidimetry
Assay Methods :	End Point, Kinetic, Two-Point/Fixed Time, Linear & Non-linear Multi-point Calibration, Bichromatic/Monochromatic
Sample/Reagent Tray :	40 Sample Positions, 36 Reagent Positions Onboard Cooling ≤15°C
Reagent Volume :	1µL ~ 400µL
Sample Volume :	1µL ~ 100µL
Probe System :	1 Sample/Reagent Probe, 1 Mixer
Sample Dilution :	Programmable Pre-dilution & Auto-dilution
Laundry System :	Independent Washing Station for Probe & Mixer, Onboard 6-Step Washing for Cuvettes
Optical System :	8 Static filters (340, 405, 450, 505, 546, 578, 620, 670 nm)
Light Source :	Tungsten Halogen Lamp (Shelf life 2000 Hrs)
Absorbance Range :	0~3.5 Abs
Reaction Volume :	200–300 µL
Quality Control :	Three Level QC with Levey–Jennings (LJ) Plot, Westgard rules
Calibration :	Linear, Non-linear, Multi-standard & K-Factor
Operating System :	Windows XP, Vista, Windows 7, Windows 10 & Windows 11
LIS Connectivity :	Bi-directional
Power Requirements :	AC 110-220 ± 10%V, 50/60± 1 Hz, 1500 VA
Dimensions :	650mm(L) × 520mm(B) × 484mm(H)
Net Weight :	54 kg

*Specifications are subject to change without the prior notice

AGD Biomedicals Pvt.Ltd.
Mehta Trade Center,
Sir M.V. Road, Andheri East,
Mumbai - 400 099 INDIA

P : +91-22-28231061/66
+91-22-28257999
E : sales@agdbio.com
W : www.agdbio.com

ISO : 9001 : 2015
ISO : 13485 : 2016
CE

Scan to know more

AGD 1600

Fully Automatic Clinical Chemistry Analyzer



Powerful | Precise | Compact

A COMPACT SOLUTION TO UPGRADE LAB

Introducing New & Improved AGD 1600

Clinical Chemistry Automation is now within reach of every clinical laboratory.
With its robust design, advanced features, and user-friendly operation, AGD 1600 is the ideal solution for start-up, mid-sized, and advanced laboratories.



Dual Power Switches :
Independent switches for the analyzer and cooling system for flexible operation.



Reagent and Sample tray :
Onboard cooling maintains optimal temperature, ensuring reagent stability and reliable test results.



Water and Waste alarming system :
Ensure uninterrupted testing by protecting the analyzer with real-time low water and full waste alerts.





Sample and Reagent probe :
Turbulent flow cleaning technology in the probe minimizes carryover and prevents cross-contamination.



Turbulent Flow Cleaning Technology :
High-speed cleaning jets generate turbulent flow inside the probe, thoroughly washing all internal surfaces and minimizing carryover for consistently accurate results.



Advanced Laundry system :
6-step laundry system ensures thorough cuvette cleaning to improve the precision.



Reaction tray :
60 reusable PMMA cuvettes which can be replaced individually.

Stirrer Mechanism



A Teflon-coated stirrer ensures thorough and uniform mixing while minimizing sample carryover.

Auto Dormancy Mode



Extends halogen lamp life by reducing lamp intensity during non-operational periods.

In-built Degasser



Removes dissolved gases from liquids, ensuring interference-free and highly accurate measurements.



User-Friendly Software :
Software with easy worklist programming, multi-tab access, and onboard reagent volume monitoring for seamless workflow.

Comprehensive Test Menu :

- Supports all routine Clinical Chemistry profiles including LFT, KFT, Lipid Profile, Diabetic Profile, and more.
- Performs specialized chemistry tests such as HbA1c, ADA, and other Biochemistry tests.
- Compatible with Immunoturbidimetric assays including ASO, RF, CRP, and more.
- Available in multiple pack sizes to suit different laboratory testing volumes.
- Dedicated SystemPak with excellent onboard reagent stability for reliable and uninterrupted performance.

