

## Technical specification

**System features :** Random Access,  
STAT: Sample, Calibration &  
QC priority

**Throughput :** 160 Test/hour

**Measuring Principle :** Absorbance Photometry,  
Immunturbidimetry

**Assay Method :** Endpoint  
Kinetic  
Two-Point/Fixed Time  
Linear/Non-linear multipoint calibration  
Bichromatic/Monochromatic  
Single/Dual Reagent chemistry

**Reagent/Sample Tray :** Up to 40 Sample Positions  
Up to 36 Reagent Positions  
On board cooling  $\leq 15^{\circ}\text{C}$

**Reagent Volume :**  $1\mu\text{L}\sim 400\mu\text{L}$

**Sample Volume :**  $1\mu\text{L}\sim 100\mu\text{L}$

**Reagent / Sample probe :** 2 Probes  
1 Sample / reagent Probe  
1 Mixer

**Laundry System :** Independent washing station  
for Probe and Mixer  
Onboard 4 Step Washing for  
Cuvettes

**Sample dilution :** Programmable Pre - dilution  
/ Auto - dilution available

**Optical System :** 8 Static Wavelength ( 340-670nm)  
Halogen lamp  
Absorbance range 0 ~ 3.5 Abs

**Reaction volume :** 200-300  $\mu\text{L}$

**Control and Calibration :** QC with L J plot,  
Westgard rules  
Linear, non-linear,  
multi standard, K factor

**Operation Unit :** Windows XP or Vista &  
Windows 7, Windows 10,  
Windows 11

**LIS :** Unidirectional

**Working Conditions :**

Power Requirements :  $220 \pm 22\text{V}\sim, 50 \pm 1\text{Hz}$  or  
 $110 \pm 11\text{V}\sim, 60 \pm 1\text{Hz}$  1000VA

Dimensions : 650mm(L) x 520mm(B) x 484mm(H)

Net Weight : 54Kg

# 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

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

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

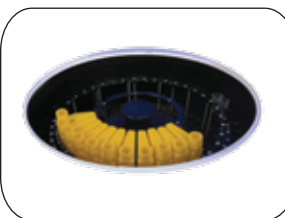
P : +91-22-28231061/66 ISO : 9001 : 2015  
+91-22-28257999 ISO : 13485 : 2016  
E : sales@agdbio.com  
W : www.agdbio.com



# GREAT CHEMISTRY<sup>®</sup>

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

- 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.



### 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

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

