

Technical specification

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

Throughput : 160 Test/hour

Measuring Principle : Absorbance Photometry, Immunoturbidimetry

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 <=15°C

Reagent Volume : 1µL~400µL

Sample Volume : 1µL~100µL

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 µL

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 ± 22V~, 50 ±1Hz or
110±11V~, 60±1Hz 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

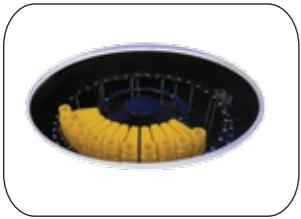
STAT provision for Sample, Calibration & Quality Control

Onboard Laundry system

Isolated air flow in probe to avoid contamination

Programmable auto maintenance facility

GREAT CHEMISTRY®



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 μL
- Optical Path length - 6mm



Sample /Reagent Probe

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



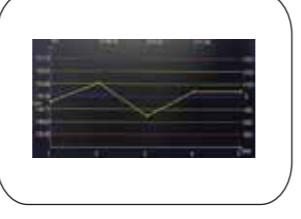
Optical System

- 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 accesibility 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

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.

