

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

Throughput : Maximum 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 50 Sample Positions
Up to 36 Reagent Positions
On board cooling $\leq 12^{\circ}\text{C}$

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 μL

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

Operation Unit : Windows XP or vitas &
#39; Windows 7

Working Conditions :

Power Requirements : 220V, 50/60Hz
Dimensions : 65 x 53 x 52 cm
Weight : 45kg

AGD 1600

Fully Automatic Clinical Chemistry Analyzer

A Complete Walk Away System !



Compact, Benchtop, Random Access

Throughput up to 160 test/hour

STAT provision for Sample, Calibration & Quality Control

Onboard Laundry system

Air Purge facility in Probe to avoid contamination

Programmable auto maintenance facility

*Specifications are subject to change without notice.

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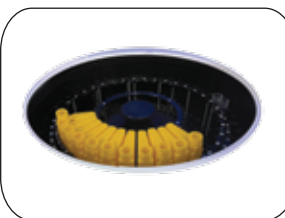
ISO : 9001 : 2015
ISO : 13485 : 2016



GREAT CHEMISTRY[®]

AGD 1600 is a Benchtop, Compact, Fully Automated 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.
- Dedicated wide range of Systempak available.
- Onboard 4 step laundry system.



Sample / Reagent Tray

- Upto 50 sample Positions
- Upto 36 Reagent Positions
- Onboard refrigeration facility (≤ 12°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

- Upto 60 reaction cuvettes which can be replaced individually
- Reaction volume- 200-300µL
- Optical Path length - 6mm



Sample / Reagent Probe

- Single Probe for sample/reagent
- Air purge function in probe



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

