TECHNICAL SPECIFICATIONS

Assay types	Absorbance, Endpoint, Kinetic, Fixed Time, Coagulation
Wavelengths	8 Filters: (340nm, 405nm, 450nm, 505nm, 546nm, 578nm, 630nm, 670nm) ± 10nm
Photometer Range	Upto 3.000Abs
Aspiration Volume	300µL to 1000µL
Cuvette Volume	Min 500µL
Flow Cell	18µL/32µL
Inbuilt Incubator	Optional
Storage Capacity	245 Programs, 20000 Test records with reaction curve
Light Source	6V/10W, Tungsten Halogen Lamp
Temperature Control	25,30,37°C by Peltier Effect
Display	7" Graphic colour LCD with resistive touch screen, Resolution-800 x 480 Pixels
Printer	Built-in 2" Thermal Printer (can be switched ON/OFF, when desired)
Interface	External Keyboard / Mouse / RS232
Power Supply	110 - 240 AC± 10%, 50/60 Hz ± 3Hz, 50W (Max)
Storage Conditions	Temperature: 10°C to 50°C, Relative Humidity: upto 85%
External Dimensions	360mm(L) x 355mm(B) x 170mm(H)
Weight	6.6Kg

* Optional Barcode reader available.

Inbuilt Incubator (optional) - 8 positions for Test tubes and 5 positions for coagulation tubes

AGD CliniPak & TurbiPak

- Wide range of Clinical Chemistry Kits
- Liquid stable reagents
- Accurate and Precise result with high Linearity
- Mono vials for special Tests
- Pack size as per requirement

AGD MicroPette

- Variable Pipette - 5-50µL & 100-1000µL

AGD
2020

SEMI AUTOMATIC CLINICAL CHEMISTRY ANALYZER

Salient Features:

- 7" graphic resistive touchscreen colour display
- Online reaction Curve
- Tri-Leval Quality Control with L-J plot
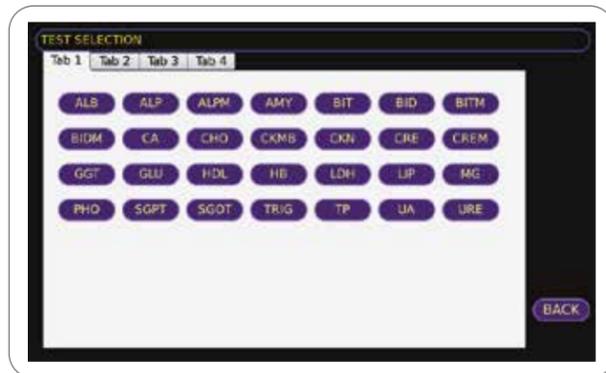- Storage of 20000 tests results with reaction curve

AGD Biomedicals Pvt. Ltd. experience and understanding of laboratory needs has led to an innovative product developed withone key objective-provide excellent Chemistry Analyzer, resulting in the ultimate customer satisfaction

Our AGD2020 Semi-Automatic Clinical Chemistry Analyzer is based on Micro Processor controlled programmable Analyzer to peform routine biochemistry tests. Compact, convenient, new generation analyzer most suitable for medium sized and small laboratories, also as a backup for big laboratory or hospital setups.

CALIBRATION

Availability of various Calibration types like K-factor, Linear and Non Linear calibration curves like Spline, Logit-log, Exponential, Parabola and Polynomil enables the AGD2020 to run variety of biochemical and immunoturbidity assays
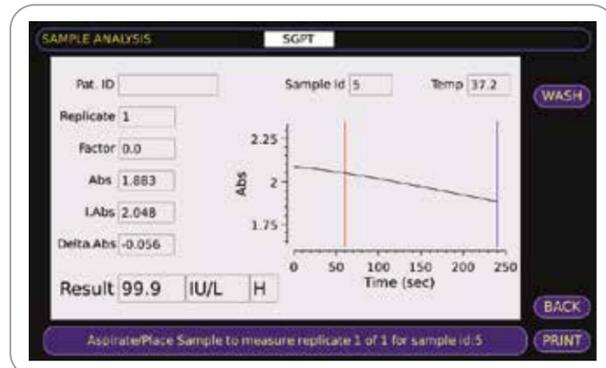
MAIN MENU

- AGD2020 is analyzer with a variety of features and performance levels to fit any application
- Full size graphical display gives you true convenience in operation and minimizes errors while entering data
- User friendly software with interactive Graphical user interface
- Shortcut keys for Menus to ease the operation

RUN QUALITY CONTROL

- Levy Jennings plot of daily and monthly QC data to give the Visual indication of the performance of assays and gives additional advantage for the accreditation of the Laboratory
- Collated Patient reports (date-wise, test-wise and patient-wise): 20000 stored results with reaction curve
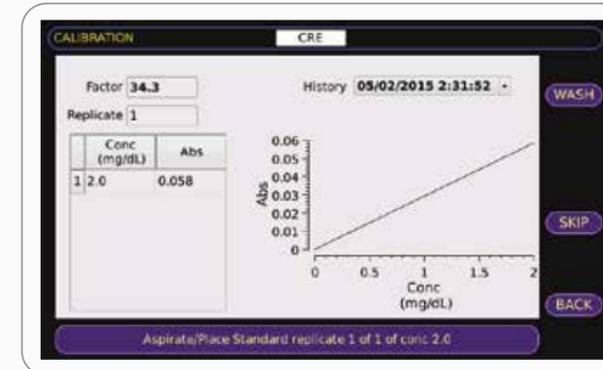
TEST SELECTION

Direct Access to 245 tests: AGD2020 gives you the freedom to choose the assay directly-so you can produce result simply, swiftly and successfully
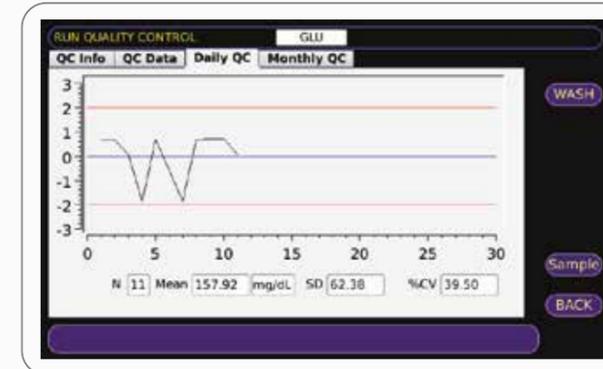
ASPIRATION SYSTEM

- **Aspiration system:** Internal peristaltic pump driven by DC motor for accurate and precise aspiration of reaction mixture
- Air purging after every sample aspiration, to minimize carryover
- **Maintenance:** Automatic cleaning of flow cell at the end of assay and at shutdown with special wash solution improves the performance of the Analyzer

ANALYSIS

Real time reaction curve with special checks and flaggings to give trouble free performance and confidence in reporting

MEASUREMENT MODES

AGD2020 has 3 measurement modes for analysis
- Flowcell
- Cuvette
- Coagulation tube with coag adapter (optional)