

TECHNICAL SPECIFICATIONS

Assay types	Absorbance, Endpoint, Kinetic, Fix ed Time, Coagulation
Wavelengths	7 Filters: (340nm, 405nm, 505nm, 546nm, 578nm, 630nm, 670nm) and provision to add 1 filter \pm 10nm
Photometer range	-0.1-3.000Abs
Aspiration Volume	0.2mL to 1.0mL
Cuvette Volume	2.5mL
Flow Cell	18 μ L/32 μ L
Inbuilt Incubator	Optional
Storage Capacity	196 Programs, 20000Test 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	100 - 240V AC \pm 10%, 50/60 Hz, 60W
Storage Conditions	Temperature: 15°C to 40°C, Relative Humidity: up to 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 - 5-50 μ L & 100-1000 μ L

GREAT CHEMISTRY®

AGD 2020



NEW GENERATION CLINICAL CHEMISTRY ANALYZER

Salient Features:

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

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ISO : 9001 : 2015
ISO : 13485 : 2016

CE



AGD Biomedicals Pvt. Ltd.



*Specifications are subject to change without the prior notice of manufacturer.
MKT-BRO-07-01

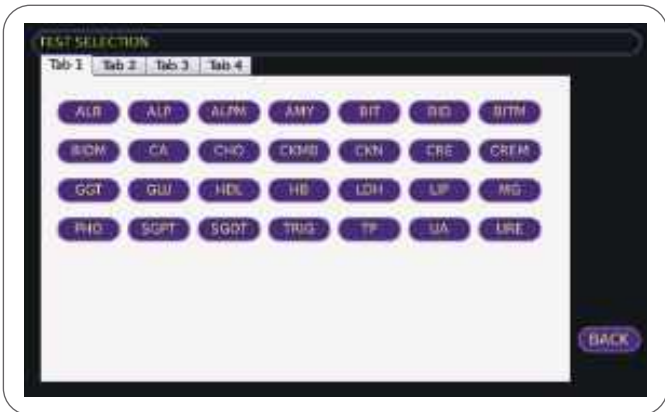
AGD Biomedicals experience and understanding of laboratory needs has led to an innovative product developed with one key objective-provide excellent Chemistry Analyzer, resulting in the ultimate customer satisfaction.

Our AGD2020 Semi-Automatic Clinical Chemistry Analyzer is based on Micro Processor controlled programmable Analyzer to perform 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.



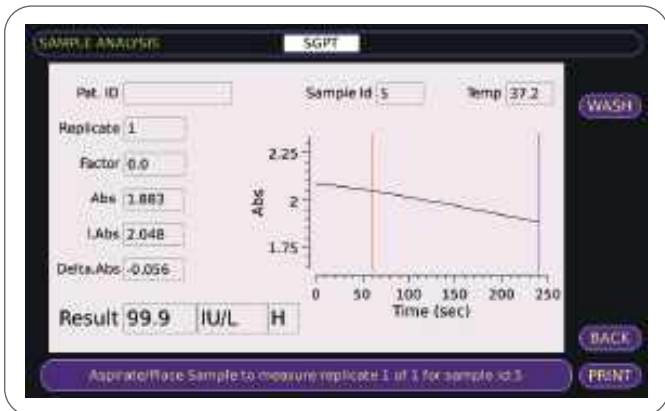
MAIN MENU

- 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



TEST SELECTION

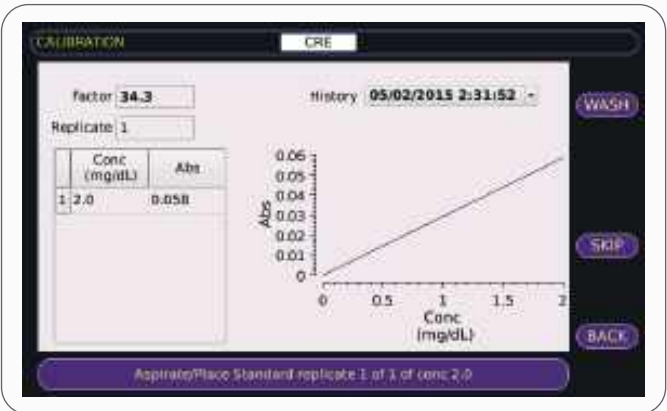
Direct Access to 196 tests: AGD2020 gives you the freedom to choose the assay directly— so you can produce result simply, swiftly and successfully



ANALYSIS

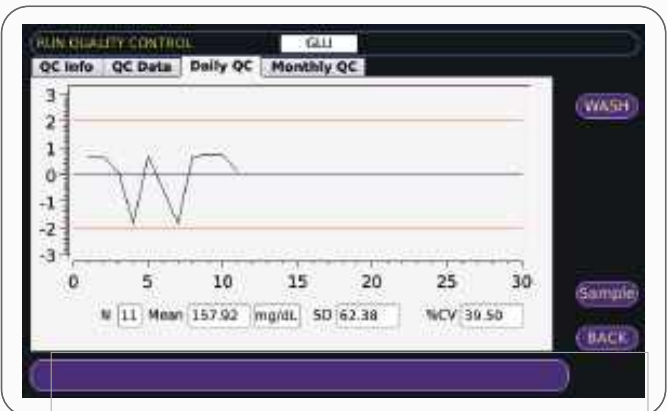
Real time reaction curve with special checks and flaggings to give trouble free performance and confidence in reporting

- Measurement Mode : Flow cell or Square Cuvette or Round glass tube and adaptor : Available
- Automatic calibration of sipping volume : Available
- Automatic adjustment of sipping time : Available
- Facilities for air purge in between 2 sample to avoid carry over : Available
- Temperature control by peltier element : Available



CALIBRATION

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



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



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