

GREAT CHEMISTRY[®]

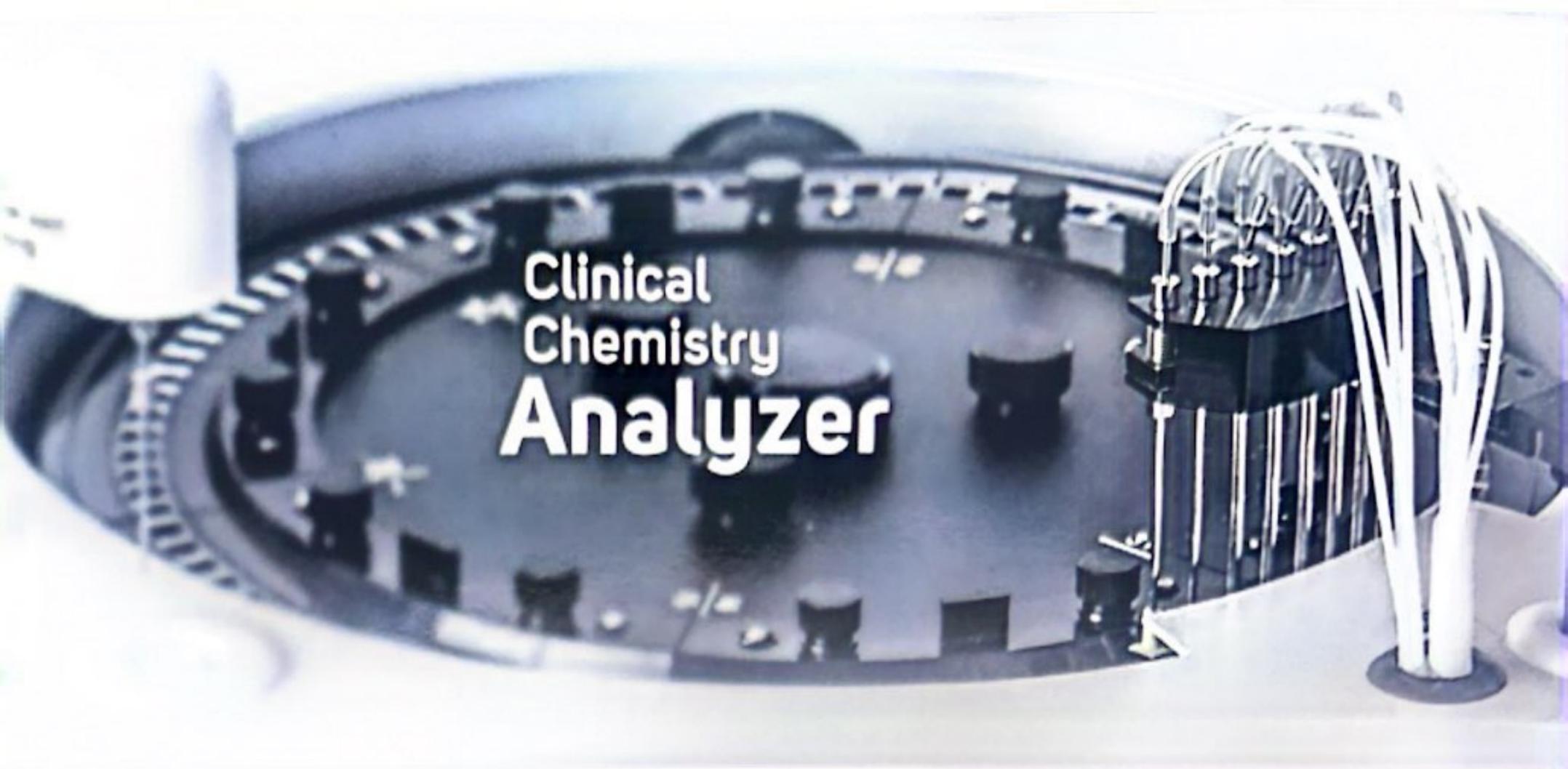


AGD2260

Fully Automatic Clinical Chemistry Analyzer



- Compact, Benchtop, Fully Automatic Random Access Clinical Chemistry Analyzer
- 200 Tests per hour
- Smart system with user friendly programming
- High end washing sequence to eliminate errors in reporting



Clinical Chemistry Analyzer



Sample /Reagent Probe:

- Integrated level and position sensors for the sample/reagent probe
- Switch Available for vertical and horizontal movement & detection of the position of probe movement.
- Material of the probe is stainless steel – Anti rust design
- Internal and external cleaning of the probe after sample and reagent aspiration – Removes chances of carryover and cross contamination

Stirrer Mechanism:

- Stirrer is useful for proper mixing which is major factor for accurate results
- Teflon coating leads to hydrophobic nature and helps to avoid carryover



Laundry system :

- 8 step Washing unit
- There are 14 washing needles:
- 5 Needle sets for efficient water dispensing and aspiration
- 1 set of needle for washing of cuvettes with detergent
- Complete cleaning and drying with 2 long needles and Wiper

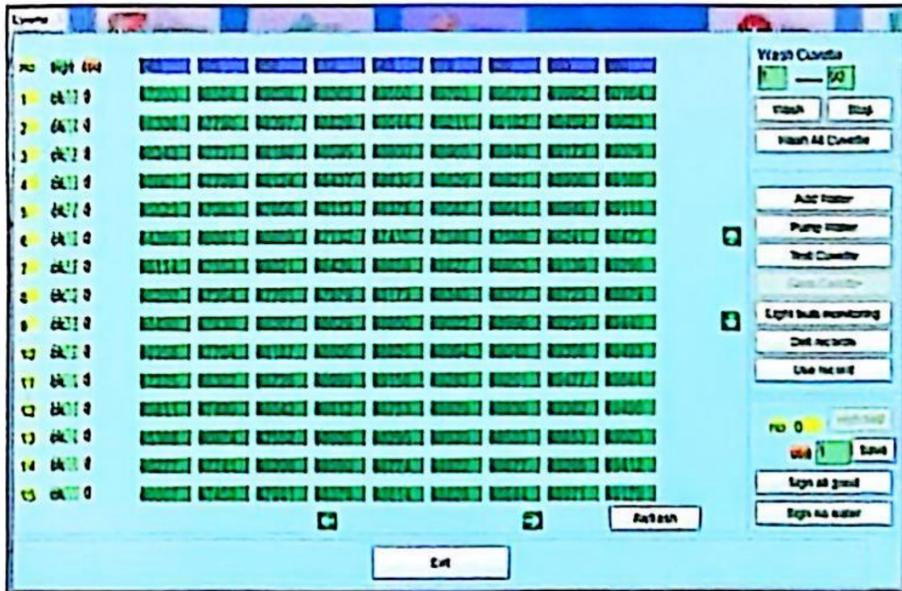
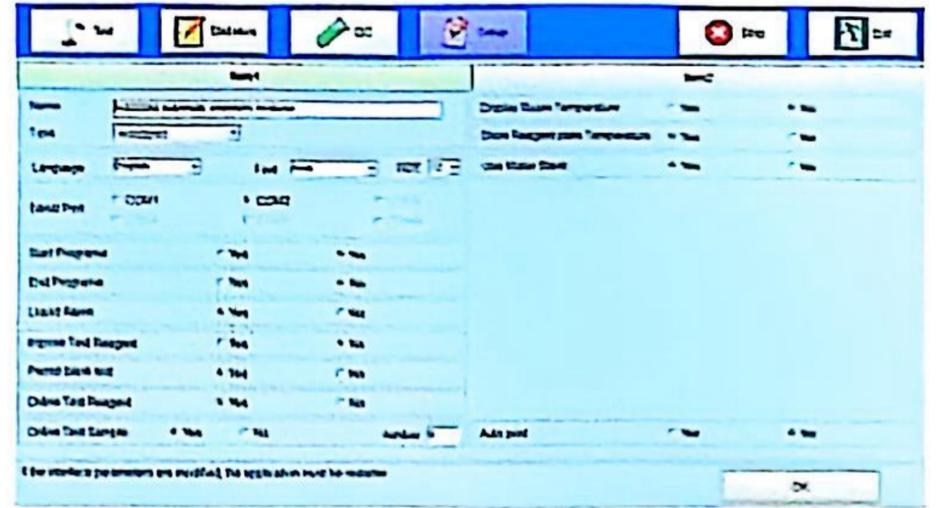


Reaction tray:

- 6 reaction holders to load total 90 reaction cuvettes , each holder has 15 cuvettes
- Long cuvette life
- It can be replaced individually

Intellectual software:

- Automatic washing cuvette when start up & shut down the instrument
- Test order setting to avoid carry over
- Automatic detection of reagent volume during every startup of the instrument
- Displays the reagent ,cuvettes and room temperature during testing.

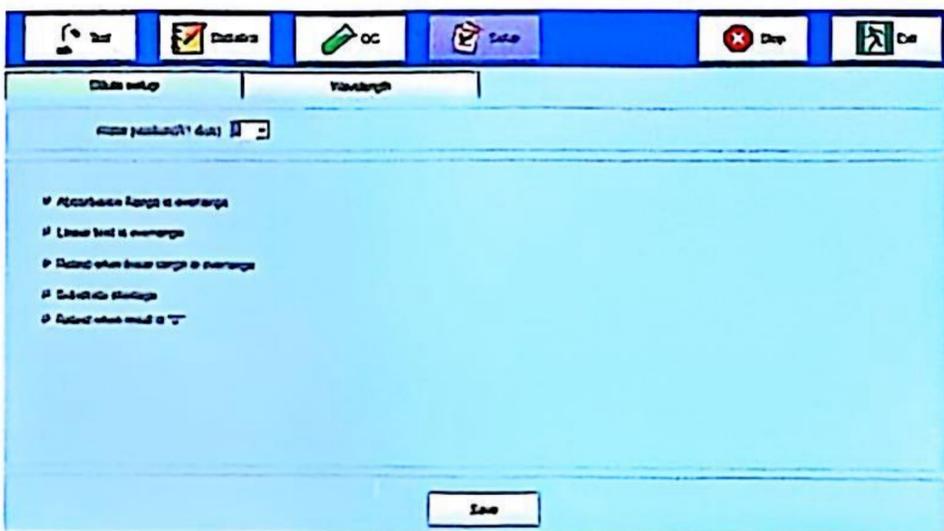
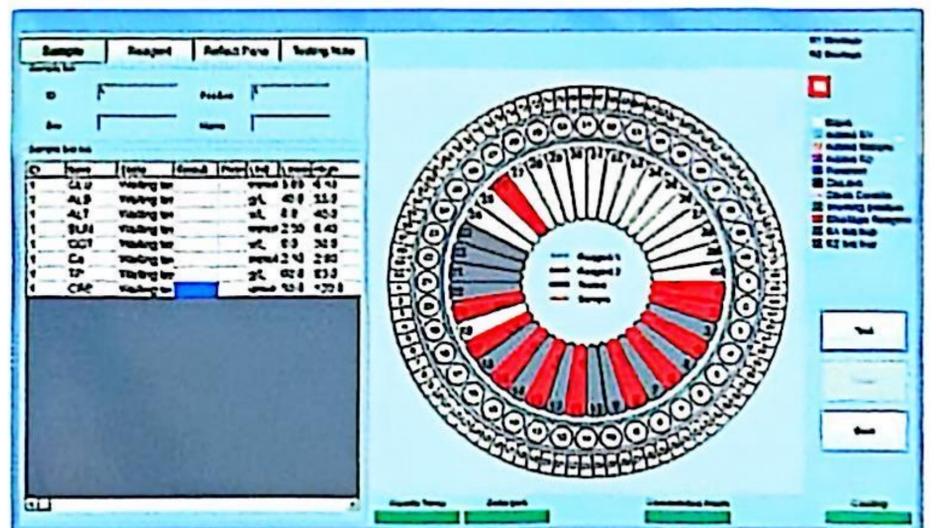


Optimum Calibration Cuvette

- Automatic Cuvette blank testing
- Automatic wash for selected cuvette
- Online monitoring of cuvette quality

Dynamic and real- time display of running status:

- Real time online status of sample tray, reagent tray and cuvettes
- Monitoring residual volume of reagents



Automatic dilute and retest

Automatic dilute and retest when :

1. Absorbance range is overrange
2. Linearity limit is crossed
3. Substrate depletion

Freely set the auto dilute ratio and water position

Technical specification:

<p>Throughput</p> <ul style="list-style-type: none"> • Up to 200 tests per hour 	<p>Reaction system</p> <ul style="list-style-type: none"> • 90 Special cuvettes • Length of cuvette : 6mm • Cuvette Volume : 300μL • Reaction volume : 200μL to 500μL • Reaction time : 8 - 15 mins • Reaction temperature : 37 \pm 0.5$^{\circ}$C
<p>Methodology</p> <ul style="list-style-type: none"> • Measuring principles: Absorbance photometry, Turbidimetry ,End-point, Two-point, Kinetic, /Dual/ reagent chemistries, monochromatic /bichromatic 	<p>Working Conditions</p> <ul style="list-style-type: none"> • Power supply : AC100-240V, 50-60Hz • 1 KVA • Dimensions : 700mm (W) *650mm (L) *530mm (H) • Net Weight : 55.4
<p>Sample Arrangement</p> <ul style="list-style-type: none"> • 40 positions for sample, STAT, Calibrator, and QC • Sample volume : 2-50μL, step by 0.1μL • Compatible with primary collection tube, sample cup, etc 	<p>Operating configuration</p> <ul style="list-style-type: none"> • Operation system Windows 10 or XP • Interface RS-232 • Memory Upto 200,000 patient data • Temperature 10$^{\circ}$c-35$^{\circ}$c Humidity upto 90% with no dew • LIS - Bidirectional
<p>Reagent arrangement</p> <ul style="list-style-type: none"> • 40 reagent positions for R1 and R2 • Volume range : 10-500μL, step by 1μL • Reagent Probe : Liquid level detection, collision protection function • On board cooling (2$^{\circ}$c- 8$^{\circ}$c) 	<p>Optical system</p> <ul style="list-style-type: none"> • 9 wavelengths : 300-700nm • Tungsten halogen lamp • Absorbance range : 0-4.00Abs • Spectrophotometry; rear spectrophotometry
<p>Laundry system</p> <ul style="list-style-type: none"> • Needles : 8 step washing sequence. • Water Consumption : Upto 4 l/hr 	<p>Mixing system</p> <ul style="list-style-type: none"> • Independent mixing probe

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

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