



NANOLAB 120

Fully Automated Clinical Chemistry Analyser

-  Compact, Bench Top, Random Access analyzer with throughput of 120 Tests/ Hour with Double reagent
-  40 Reagent and 40 sample positions
-  Multi functional Sample and Reagent probe with collision protection and liquid level sensing
-  Dedicated Teflon coated Mixing Arm with Multi Speed option
-  Ceramic piston ensures precise, consistent dispensing with a durable, maintenance-free design.

Multifunctional Precision Sampling Probe



- External & internal mirror polish, external & internal probe washing
- Dedicated sampling probe equipped with liquid sensor, reagent sample
- Collision protection, automatic probe depth adjusting inventory management

Reaction Tray



- UVgrade high quality reusable plastic cuvettes
- 150µl minimum reaction volume, micro volume of 2µl sampling, 0.1µl sampling accuracy
- Stable & accurate temperature (37°C±0.1°C) for reaction

Reagent Tray & Sample Tray



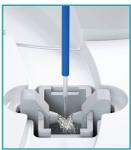
- 40 reagents positions, 40 samples positions
- Non-stop cooling system with Peltier pad inside, 24 hours 2°C - 14°C
- On board barcode

Advanced Operating system



- User friendly software interface simple, easy-to-operation
- Sample automatic dilution (decrease, increase, normal)
- Linear & nonlinear calibration, Multi-points calibration up to 8 points
- Quality control apply to westgard, L-T plot, cumulative

Waterfall Flushing Position ^{360°}



- Effortless cleaning with 360° waterfall flushing – designed for complete probe and mixer hygiene.

Excellent Mixer Design



- Teflon coating mixer. No water dropping (reducing carry-over)
- Excellent mixing effect with standard mixing procedure

Technical Specifications

Sample Unit

- **Sample Tray** - 40 sample positions
- **Sample Tube** - Micro cup & test tube & blood collection tube can be used (12-13) mm * (25-100) mm
- **Sample Volume** - 2-30µL, step by 0.1µL
- **Sample Probe** - Liquid surface detection, timely tracking for liquid volume. Collision avoidance
- **Sample Barcode** - On board barcode

Reaction Unit

- **Reaction Cuvettes** - 50 disposable cuvettes
- **Reaction Time** - 10 minutes
- **Temperature** - Peltier controlled incubation at 37°C ± 0.1°C
- **Reaction Volume** - 150µL-330µL
- **Mixer** - Paddle-type mixing, effective reducing of carry-over

Optical System

- **LightSource** - Halogen Lamp
- **Wavelength** - 340nm; 405nm; 450nm; 505nm; 546nm; 578nm; 630nm; 700nm(4 more options)
- **Absorbance Range** - 0-4.0 Abs
- **Resolution** - 0.0001 Abs

Reagent Unit

- **Reagent Tray** - 40 reagent Positions Non-stop cooling system with peltier pad inside, 24 hours 2°C - 14°C
- **Reagent Volume** - 20-300µL, step by 1 µL
- **Reagent Probe** - Liquid surface detection, timely tracking for liquid volume. Collision avoidance
- **Reagent Barcode** - On board barcode

Operating System

- **Operation System** - Indices, Windows XP, Windows 7, Windows 8, Windows 10
- **Data Processing** - Automatic calibration, test combination, effective time management of reagents, serum index, whole process detection, linear expansion of enzyme, blank deduction. dirty cuvette memory, cross infection prevention, patient information memory and association input, automatic report audit, data fuzzy query, report statistics and printing, reference rangegrading, alarm information classification, user operation privilege classification management.
- **Report Printing** - 6 formats optional, support custom pattern
- **Interface** - TCP/IP network interface

Working Condition

- **Power Supply** - AC 110/220V ± 10%, 50/60 Hz, 650W
- **Water Consumption** - ≤2.5L/hour (maximum)
- **Dimension weight** - 750mm * 535mm * 475mm (L*W*H)
- **Weight** - 45.4 kg

*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.



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