



# NANOLAB 200

## Fully Automated Clinical Chemistry Analyzer

- ★ Compact, Bench Top, Random Access, Bench Top, Fully Automated clinical chemistry analyser with throughput of 200 Tests / Hour
- ★ 80 Reagent and 40 sample positions to suit Mid and Large size laboratory workload
- ★ Multi functional Sample and Reagent probe with collision protection and liquid level detection system
- ★ Dedicated Teflon coated Mixing Arm with Multi Speed option
- ★ On Board Laundry with Minimal water consumption
- ★ User Friendly Operations

# NANOLAB 200

## 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



- UV grade high quality reusable plastic cuvettes
- Reaction volume as low as 150µl
- Stable & accurate temperature (37±0.1°C) for reaction

## Reagent Tray & Sample Tray



- 80 reagent positions, 40 sample positions
- Non-stop cooling system with Peltier pad inside, 24 hours 2°C-14°C
- Bar code reader (optional)

## 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

## Washing System



- 3x4 steps automatic washing
- Efficient cleaning to ensure accurate results and reliable diagnosis

## 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.
- **Sample Volume** - 2-30µL, step by 0.1µL
- **Sample** - 0.1 sample level detection, timely tracking for sample volume. Collision avoidance
- **Sample Barcode** - Optional

### Reagent Unit

- **Reagent Tray** - 80 reagent Positions (40 for RL & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C, open system, could accept any reagent.
- **Reagent Volume** - 20-300µL, step by 1 µL
- **Reagent Needle** - Reagent volume detection, timely tracking for reagent volume. Collision avoidance.
- **Reagent Barcode** - Optional

### 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, 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 range grading, alarm information classification, user operation privilege classification management.
- **Report Printing** - 6 formats optional, support custom pattern
- **Report Printing** - TCP/IP network interface

### Optical System

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

### Working Condition

- **Power Supply** - AC 110/220V ± 10%, 50/60 Hz, 650W
- **Water Consumption** - 8L/hour(maximum)
- **Dimension weight** - 870mm \* 690mm \* 740mm(L \* W \* H)
- **Weight** - 80kgs



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

**TRIVITRON**  
HEALTH CARE  
*speaking your language*

corporate@trivitron.com | www.trivitron.com