NANOLAB 400

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Technical Specifications

General Information

- **Machine type:** Random access, open reagent & locked reagent (optional)
- **Test speed:** Constant 400 tests/hour (Mono reagent or double reagent)
- **Test principle:** Colorimetric method, turbidimetry
- **Test method:** 1 point end, 2 point end, Fixed-Time, Kinetics
- **Calibration type:** Linear & nonlinear

Sample Unit

- **Sample tray:** 120 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:** Inbuilt

Reagent Unit

- **Reagent tray:** 90 reagent positions, Non-stop cooling system with peltier pad inside, 24 hours 2"C-14"C, open system, could accept any reagent.
- **Reagent volume:** 20-300µ1, step by 1µl
- **Reagent needle:** Liquid surface detection, timely tracking for liquid volume. Collision avoidance.
- **Regent barcode:** inbuilt

Reaction Unit

- **Reaction tray:** 90 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance.
- **Reaction volume:** 150µl-330µl
- **Reaction time:** 10 minutes
- **Temperature:** Peltier pad incubation system, reaction temperature (37°C ± 0.1 "C)

Mixing System

- **Mixer:** Paddle-type mixing, effective reducing of carry-over

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

Operating System

- **Operation system:** 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 range grading, alarm information classification, user operation privilege classification management.
- **Report printing:** 6 formats optional, support custom pattern
- **Interface:** TCP/IP network interface

Working Conditions

- **Power supply:** AC 110/220V ± 10%, 50/60 Hz, 650W
- **Water consumption:** 15L/hour (maximum)
- **Dimension:** 1110mm * 765mm * 1150mm (L*W*H)
- **Weight:** 164 kg

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

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NANOLAB 400

Fully Automatic Chemistry Analyzer

NAN●LAB 400

Fully Automatic Chemistry Analyzer

- Constant 400 test/ hour with double reagent

- High Quality System-packs, ensuring precise and accurate results.

- 90 reagent positions

- Automatic liquid level sensing, anti-collision protection

- Integrated full closed optical system, multi wavelength simultaneous detection

- New amorphous optical plastics reaction cups, perfect transmittance

- Maintenance free semiconductor solid state refrigeration

- Friendly surface and easy to operation

- 6-stage, 2 times automatic washing system, Alkaline cleaning solution

Multifunctional precision sampling probe

- External & internal mirror polish, external & internal probe washing
- Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals
- Collision protection, automatic probe depth adjusting

Excellent mixer design

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

High precision ceramic syringe

- Permanent ceramic piston
- Accurate dispensing as low as 0.1 µl

Reagent & sample tray

- 90 reagent positions
- 120 sample positions, micro cup & test tube can be used
- Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C
- Bar code reader (optional)

Reaction tray

- 90 reaction cuvettes
- Reaction volume as low as 150 µl
- Stable & accurate temperature (37±0.1°C) for reaction

Advanced operating system

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