NEO-480

Chemistry Analyzer

Innovation Design Smart Combination

- 400 tests per hour - Time Efficiency
- Automated testing & Low Maintenance - Operation Efficiency
- 150μL reagent consumption - Cost Efficiency

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Chemistry Analyzer



Sampling probe

- External & internal mirror polish, external & internal probe washing (reducing carry-over)
- Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals
- Collision protection
- Automatic probe depth adjusting



Multi-functional sample & reagent 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 ℃~14℃
- Bar code reader(optional)



Reaction tray

- 90 reaction cuvettes
- Reaction volume as low as 150μL
- Stable & accurate temperature (37±0.1℃) for reaction



Excellent mixer design

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



High precision ceramic syringe

- Sample dispensing by frequency converting design
- Permanent ceramic piston
- Accurate dispensing as low as 0.1μL



Washing station

- 6 needles wash-station
- Twice washing
- Effective washing to ensure accurate result and valid diagnostics



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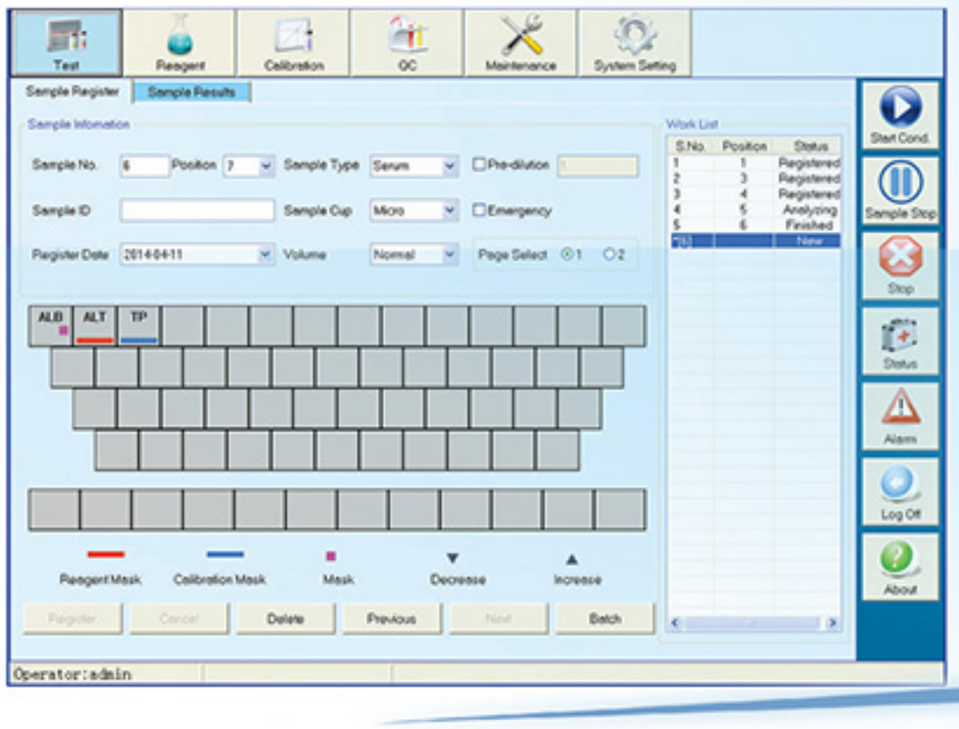
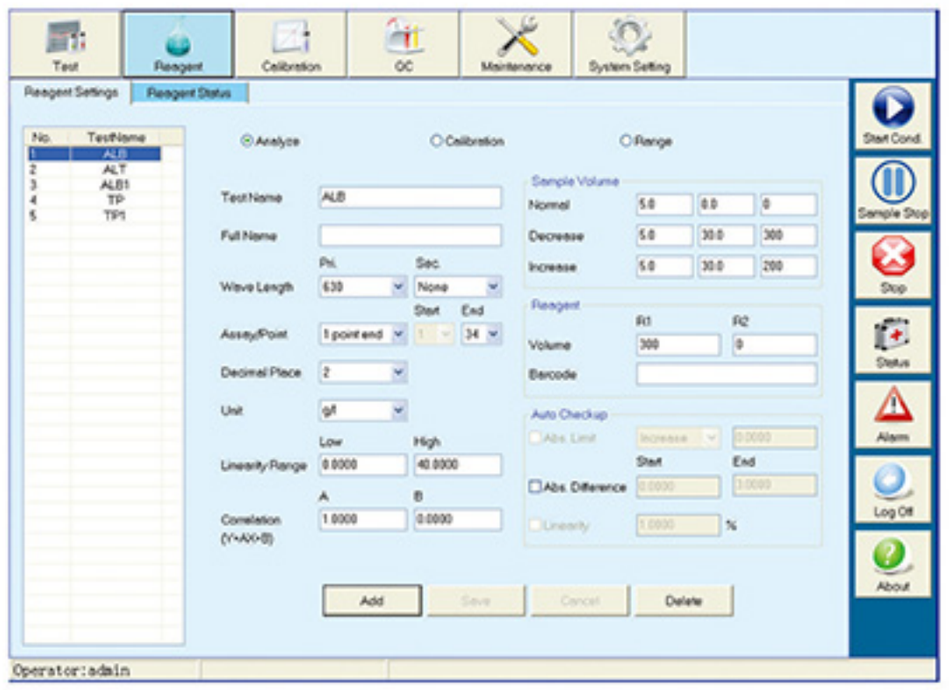
Powerful Software

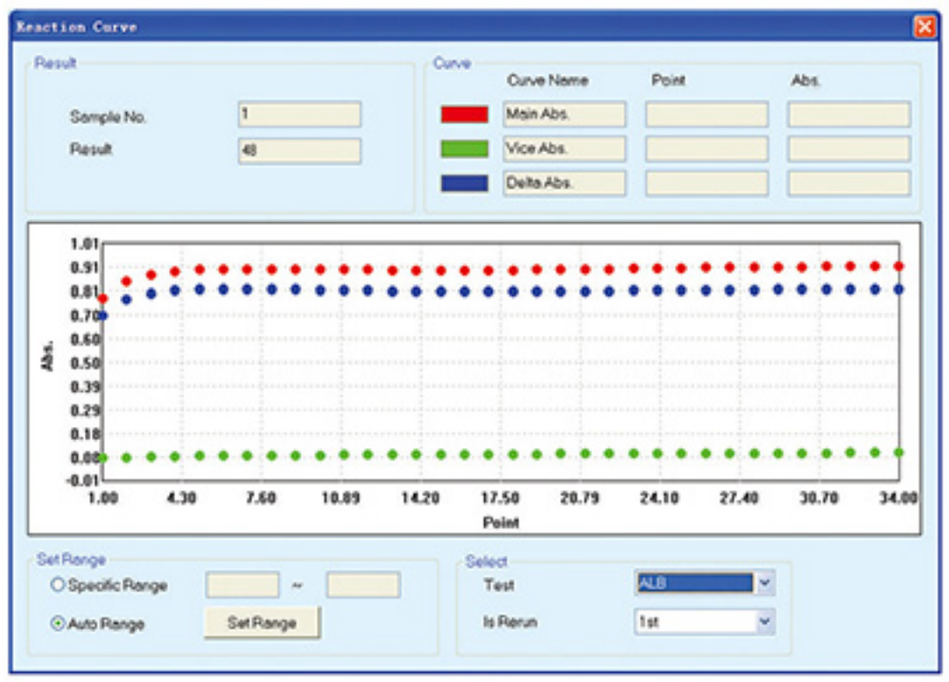
- User friendly software interface simple, easy-to-operation
- Sample automatic dilution (decrease, increase, normal)
- Masking tests when reagent or standard is exhausted

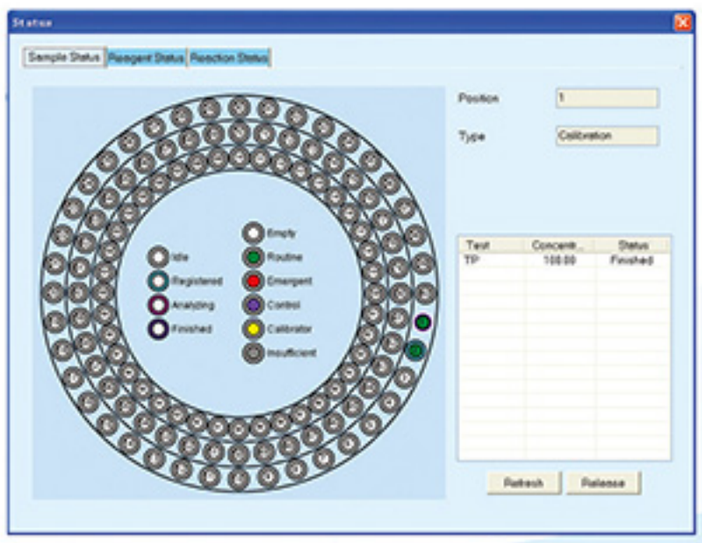


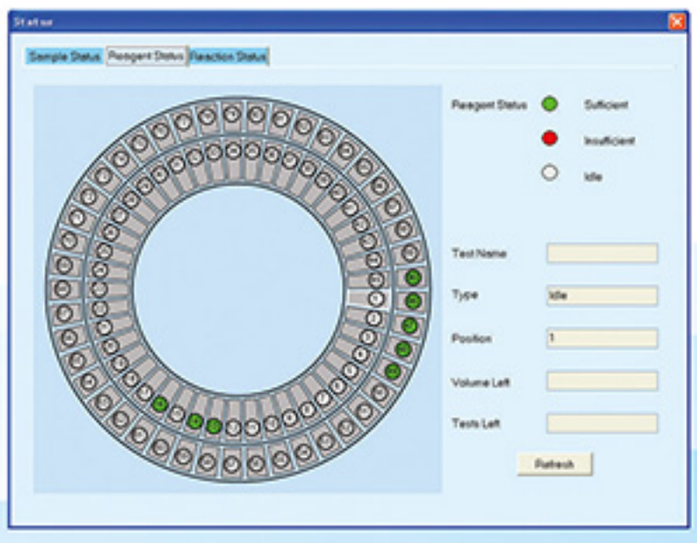
- Calibrator auto-dilution
- Linear & nonlinear calibration
- Multi-points calibration up to 8 points
- Quality control apply to Westgard, L-T plot, Cumulative

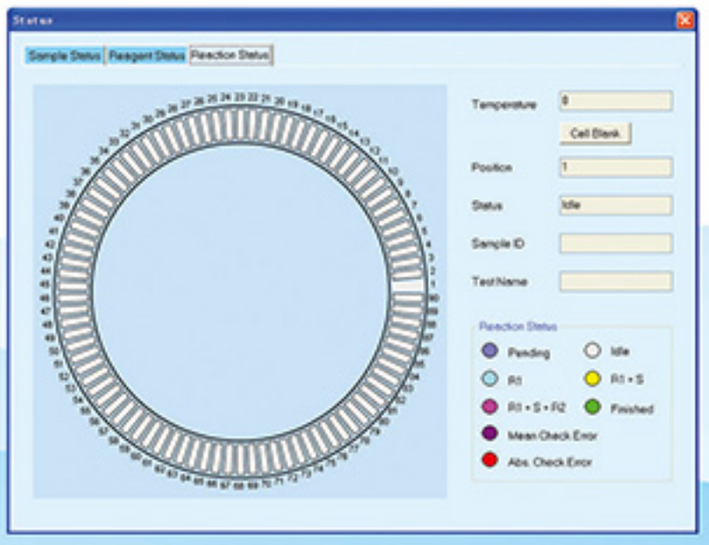


- Real-time display of running status
- Real-time display of status of reagent tray, sample tray and reaction tray
- Real-time updating of reagent residuals
- Real-time marking of defective cuvette
- Reaction result automatic checking and warning
- Calibration result automatic checking and warning
- Alarm log: Automatic alarm and record in alarm list with explanations during running process









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Chemistry Analyzer



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 & Reagent unit

Sample tray:	120 sample positions
Sample cup type:	Micro cup & test tube
Reagent tray:	90 reagent positions
Sample volume:	2~30μL, step by 0.1μL
Reagent volume:	20~300μL, step by 1μL

Sample & Reagent bar code reader (optional)

Reaction unit

Reaction tray:	90 high quality plastic cuvettes
Reaction volume:	150μL~350μL
Reaction time:	10 minutes
Temperature:	Peltier pad incubation system, reaction temperature (37 ℃±0.1℃)
Cuvette washing:	2×6 steps automatic washing

Mixing system

Teflon coating mixer

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

Operation system requirements

Operation system:	Windows XP, Windows 7, Windows 8
Nterface:	USB

Working conditions

Power supply:	AC 110/220V ± 10%, 50/60 Hz,1000VA
Water consumption:	15L/hour (maximum)
Reaction unit Dimension:	1065mm×745mm×1120mm (L×W×H)

DISTRIBUTOR:

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