

# Automatic Chemistry Analyzer

## Nova - 3821



- Random access, 330 tests/hour
- ISE and barcode (Optional)
- 10-wavelength, high accurate and closed optical system
- Unattached probe and mixer
- Supports LIS system

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**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## ►► Specifications :

Assay methods:	End Point, Kinetic, Fix time etc.
Principle:	Photoelectric colorimetry
Light Source:	Halogen lamp 12V/20W
Photometry range:	0~3.2Abs
Resolution:	0.0001Abs
Wavelength:	10 wavelengths optional (340nm~800nm)
Throughput:	330tests/hour
Reagent tray:	59 reagent positions, 1 detergent position
Sample tray:	71 sample positions, including detergent, standard, QC, STAT
Reaction tray:	positions90 reaction cuvettes
Sample volume:	2~100ul, with 0.1ul increment
Reagent volume:	R1:10~500uL, R2: 10~500uL,with 0.5uL increment
Minimum reaction volume:	150uL
Maximum reaction time:	10 minutes
Water Consumption:	6L/hour under working status
Clean unit:	8-step auto-washing system with detergent and 37 water
Calibration:	Calibration reset, select best test point by reaction curve, no need second calibration Line/non-line;multi-standards assay.
Control rules:	Westgard multi-rule, Cumulative sum check, Twin plot 3 level controls for each ifem,analyxing and printing QC analysis diagram.
Temperature control:	incubator 37±0.1°C
Power supply:	AC110/230(1±10%)V,50/60Hz,500VA
Ambient:	Operating temperature: 10~30°C

## ►► Features :

- 24 hour non-stop cooling system to ensure reagent at 2-8
- Dual-unattached durable ceramic syringes to ensure accuracy & precision
- Collision protection in both vertical and horizontal directions, stop & alarm automatically once touching barrier, not affect former tests
- Automatic eligible cuvettes detection & selection
- Select best test point by reaction curve, create new factor automatically
- High accurate optical system
- Support LIS interface

## ►► Accurate Sampling (Sample/Reagent) System :

- Collision protection
- Liquid level detection
- Internal and external probe washing
- Probe depth adjustment automatically



▶▶ **High performance mixer design :**

- Absence of cross contamination
- Optimal homogenization in minimum time
- Mixing immediately after dispensing of sample and the second reagent



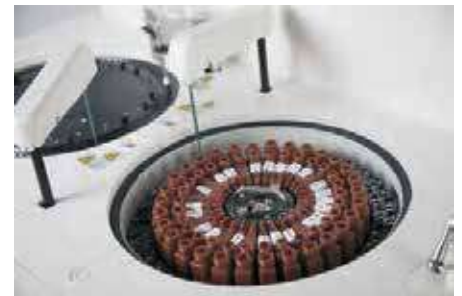
▶▶ **Efficient reaction system :**

- Reaction disk: 90 semi-permanent plastic cuvettes
- Minimum reaction volume : 150 µl
- Operating temperature: 37°C, Temperature fluctuation: ±0.1°C



▶▶ **Multi-function sample/reagent tray :**

- 60 reagent positions, support 25mL, 50 mL reagent bottle type.
- 71 sample positions including routine, stat, control and standard
- Various primary tubes and special cups can be used
- Up to 20 virtual sample tray can be programmed
- 24 hours nonstop cooling system with peltier element



▶▶ **Dynamic and real time display of running status :**

- Running status of reagent tray, sample tray and reaction tray
- Real time monitoring of reagent residual volume
- Intelligent carry over setting to adjust test sequence, STAT test priority
- Probe depth adjustment automatically
- Real time monitoring of reaction curve
- Real time diagnosis of system working status



▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award: Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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