



NOVA 2000 SERIES

Fully Automated Random Access Bio-Chemistry Analyzers



NOVA 2300

Fully Automated Random Access Bio-Chemistry Analyzers

- Discrete, random access, fully automated
- ≥ 250 tests/hour without ISE
- STAT samples can be inserted at random
- Unattached reagent & sample probe, liquid level detection collision protection
- On board reagent cooling system

NOVA 2400

Fully Automated Random Access Bio-Chemistry Analyzers

- Discrete, random access, fully automated
- ≥ 450 tests/hour without ISE
- STAT samples can be inserted at random
- Unattached reagent & sample probe, liquid level detection collision protection
- On board cuvette washing system is available



System Function:

Throughput: up to 250 tests/hour (not including ISE tests)
Test method: End point. Fixed time, Kinetic
Test Sequence: Discrete, Random access, SATA can be inserted at any time. Test sequence can be sorted by samples or items
Spectrometer: Enclosed array of spectrometer and photodiodes, maintenance free.
Cuvette Washing: Auto wash the cuvettes through 8 segments washing pipe and continuous use
Reaction detect: Monitor 81 cuvetts reaction at the same time
Photometric process: The interval times between two consecutive photometric points are exactly the same
Pipeline System: pressure auto released pumps and double filters to protect pumps and valves
Gearing: Plastic gear leads lower noise and accuracy of positioning of moving parts
Environmental resistance: Resistance from dust and water vapor

Sample/Reagents/Stirrer System:

Sample volume: 2mL ~ 30mL, Step by 0.1mL
Sample Disc: 60 positions for primary tubes and secondary cups
Reagents volume: 20mL ~ 300mL step by 1mL
Reagent Disc: Provide 60 reagent bottle positions.
Reagent Probe: Inner and outer walls are highly polished leads carry-over <0.1% level detection and vertical and horizontal collision protection.
Reagent bottle: Particular Reagent Bottle without dead volume.
Reagent Cooling: Continuous Cooling system according to the principle of politer
Stirrer: Paddle stirrer coated with Teflon, Sir immediately after sampling
Water Consume: <6L/hour
Carry Over: Optimized item test sequence and reinforced washing process .lower the carry over and avoid probe being clotted

Reaction System:

Cuvette: Permanent UV free glass cuvette
Reaction disc: Discal reaction disc with 81 disposable cuvettes
Reaction Volume: 150mL~600mL
Heater: Solid and sealed heater leads temperature raise rapidly and steady and maintenance free.
Temperature: 37°C ± 0.1°C

Optical System:

Light source: 12V 20W, Halogen lamp with lifetime more than 2000 hours
Spectrometer: Post spectrometer with arrayed and sealed filters, maintenance free
Wavelength: 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm
Absorbance range: 0-6

Calibration/QC:

Calibration Type: Single point linear. Two points linear, Multi Points linear, Logit-4P, Logit - 5P, Spline, Exponential 5P, Polynomial 5P, Auto Choose the best fittest calibration curve3
QC Type: Real Time QC, Daily QC, Day to Day QC
QC Chart: L-J Cumulative Sum Check. Twin Plot.
QC Rule: Customized QC rule in order to adopt different items requirements.

Operational system:

Operational System: VISTA, Windows XP, Windows 2000
Memory: Auto Save and recover the results
Report Format: Customized report format.
Status check: Real Time check the working status of the analyzer

Power/ Dimension:

Voltage: AC 85V-264V, 55Hz, Auto adaption according to the input voltage
Power: <350VA
Dimension: 850mm×650mm×1067mm (LWH)
Net weight: 160Kg

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Automatic Chemistry Analyzers

Fully automated Random Access Analyzer

Real time view of system, reagents and sample status



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Spectrometer: Enclosed array of spectrometer and photodiodes, maintenance free.
Cuvette Washing: Auto wash the cuvettes through 6 segments washing pipe and continuous use them, and each cuvetts wash 12 times before use it again.
Reaction detect: Monitor 81 cuvetts reaction at the same time
Photometric process: The interval times between two consecutive photometric points are exactly the same
Pipeline System: pressure auto released pumps and double filters to protect pumps and valves
Gearing: Plastic gear leads lower noise and accuracy of positioning of moving parts
Environmental resistance: Resistance from dust and water vapor

Sample/Reagents/Stirrer System

Sample volume: 2mL ~ 30mL, Step by 0.1mL
Sample Disc: 60 positions for primary tubes and secondary cups
Sample probe: inner and outer walls are highly polished leads array-over < 0.1%, level detection and vertical and horizontal collision protection
Sample tube: Both primary tubes and secondary cups are suitable
Reagents volume: 20mL ~ 300mL step by 1mL
Reagent Disc: Provide 80 reagent bottle positions.
Reagent Probe: Inner and outer walls are highly polished leads carry-over <0.1% level detection and vertical and horizontal collision protection.
Reagent bottle: Particular Reagent Bottle without dead volume.
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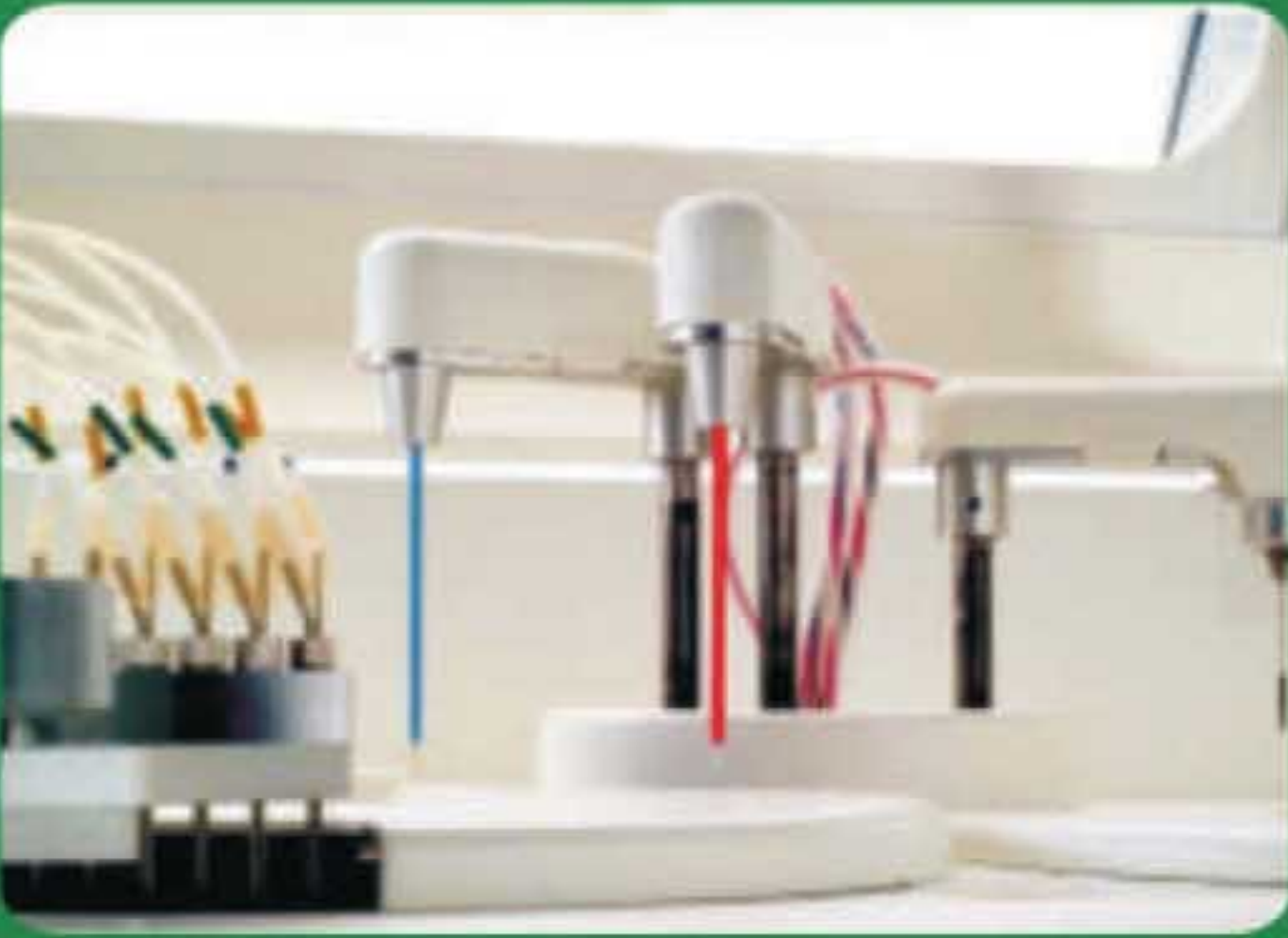
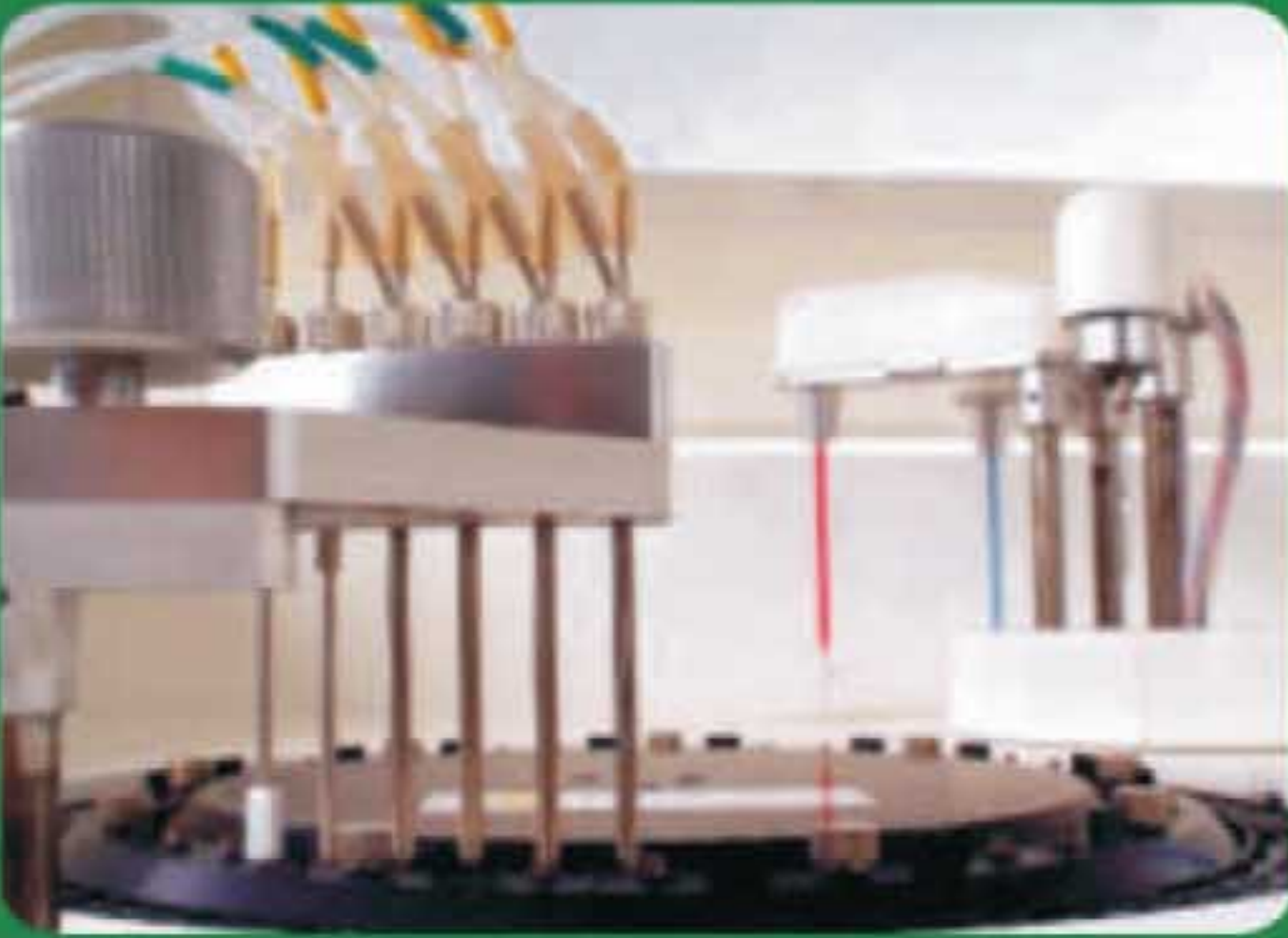
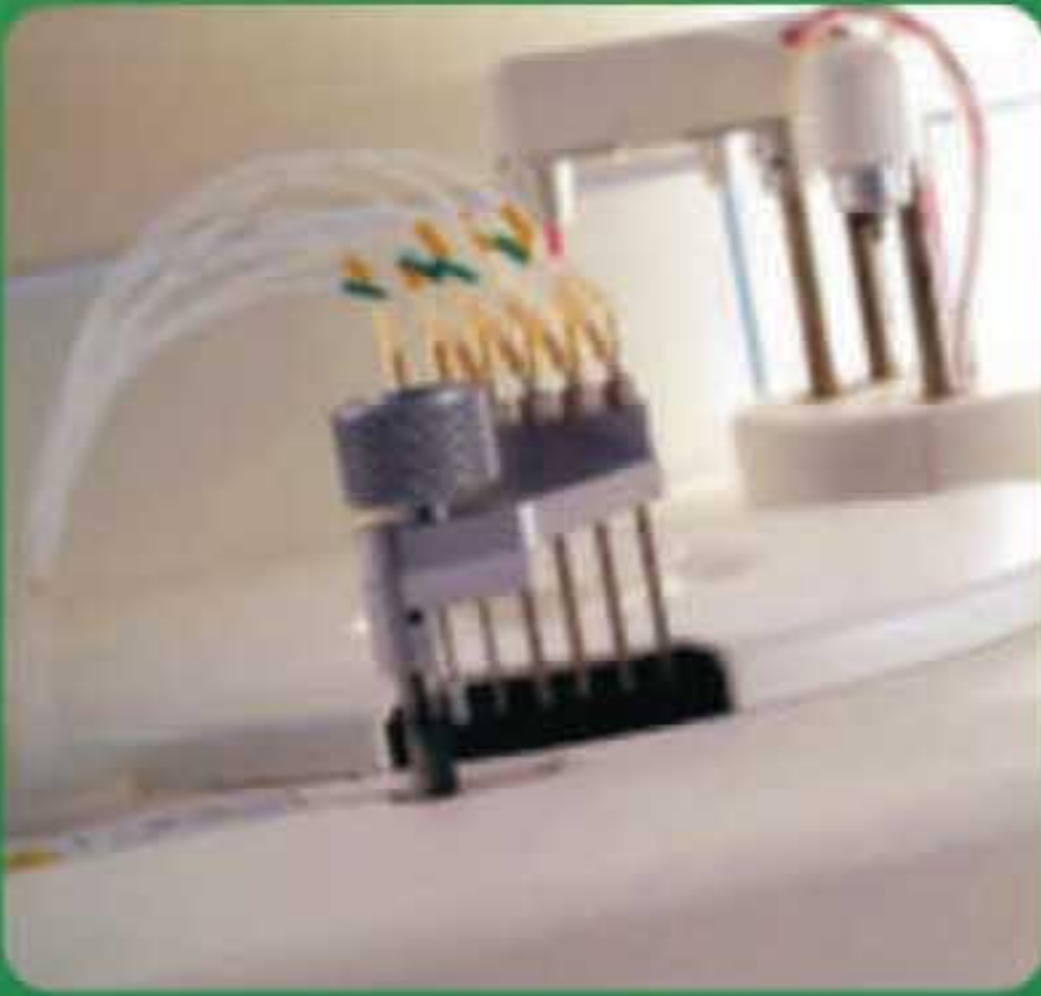
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Automatic Chemistry Analyzers
Fully automated Random Access Analyzer
Real time view of system, reagents and sample status



►►► About Analytical Technologies

Analytical Technologies is the fastest growing Global Brand having presence in at least 96 countries across the globe. Analytical Technologies Limited is an ISO : 9001 Certified Company engaged in Designing, Manufacturing, Marketing & Providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, & Clinical Diagnostics Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers.

►►► Our Other Products And Technologies



BioLc/HbA1 HPLC



NOVA 2020 Plus
Automatic Bio-Chemistry
Analyzer



HEMA 2062 Plus
Fully-automatic
Hematology Analyzer



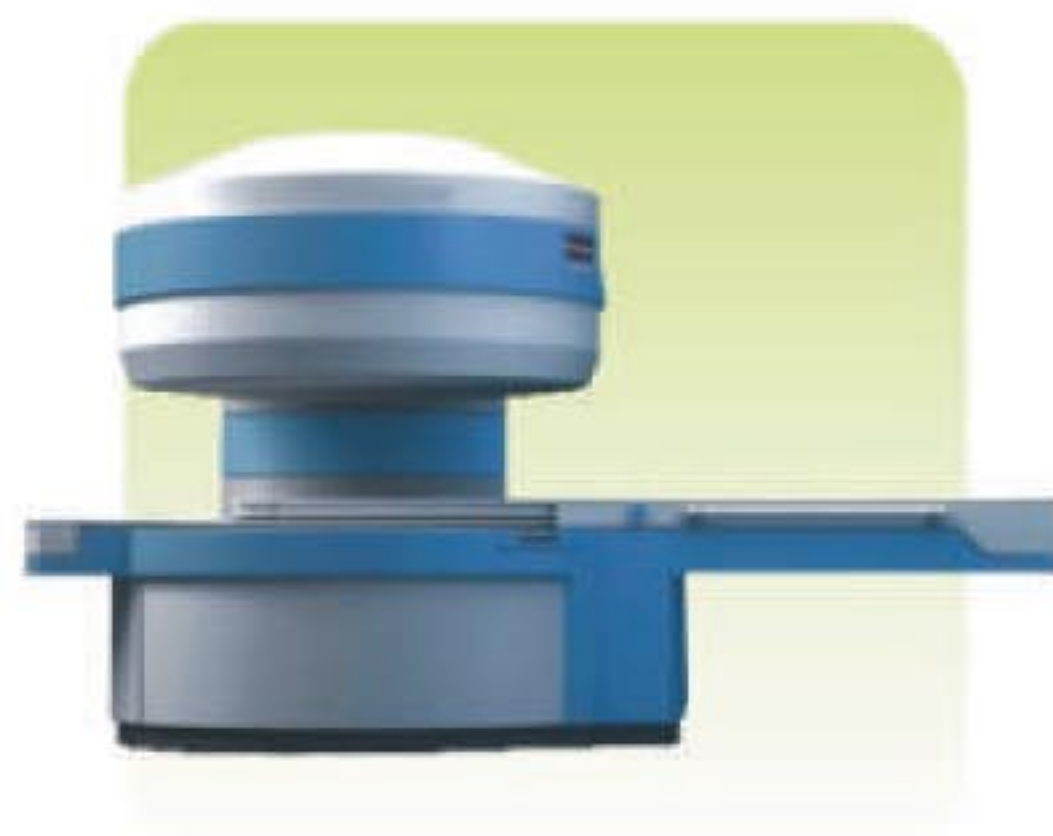
URINOVA 2800
Urine Analyzer



Fully Automated
CLIA



Micro Plate
Reader / Washer



MRI CT Scanner



NOVALYTE 2200
Electrolyte Analyzer



NOVA Basic Semi - Auto
Chemistry Analyzer



Kidney Stone
Analyzer



Amino Acid
Analyzer



PCR/Gradient PCR/RT PCR



5 part
Hematology Analyzer



Blood Gas Analyzer



Portable POC
Blood gas Analyzer



Random access analyzer
for immunoassay,
proteins & clinical chemistry



Revolutionary automation
in neonatal screening



SPECTRO 2092



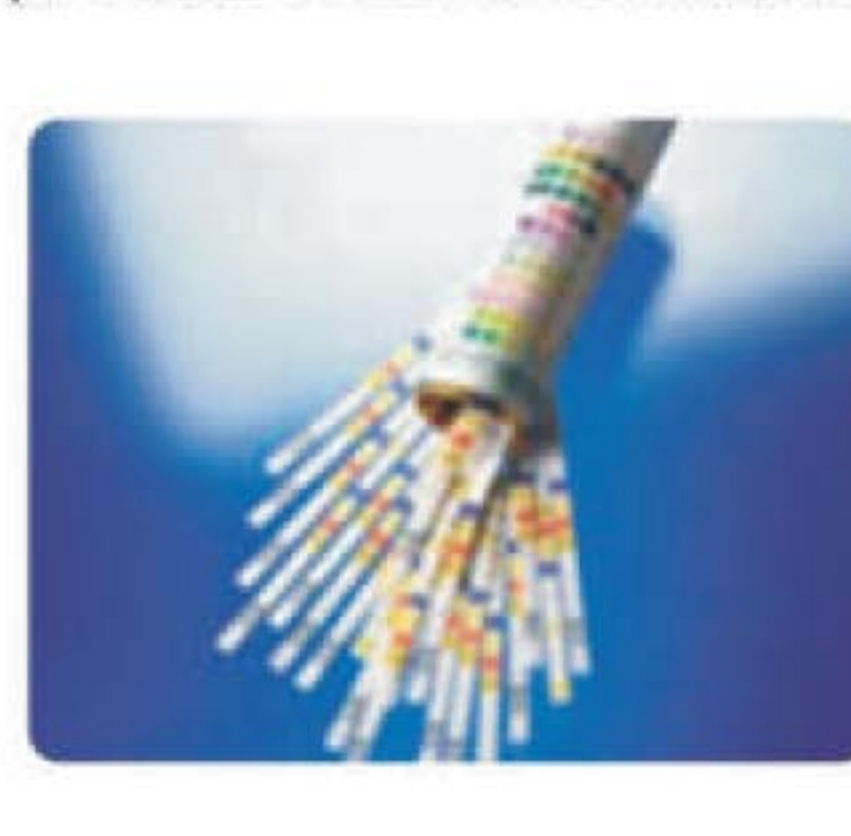
Semen Analyzer



Water Purification
System



Bio Chemistry
Reagents



Urine Strips



Rapid Diagnostic kits



Hematology
Reagents



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