

everlife
CPCDiagnostics
Enabling Better Outcomes



Steady.

Sleek.

Smart.

Turbochem Nova

KEY FEATURES

- **Constant throughput of 200 Tests/Hour** : Delivers reliable performance across all test combinations
- **Reagent and Sample carousel** : Load more reagents and samples simultaneously
- **Intelligent QC Management** : Enable QC rules suitable for your lab
- **Bi-directional LIS connectivity** : Ensures superior workflow process
- **Specially designed Mixer** : Ensures homogeneous mixing of reagents and samples

PIPETTING MECHANISM & MIXER

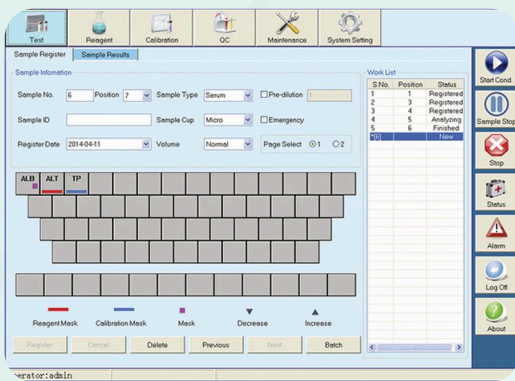
- **High-Sensitivity Probe** : Accurate liquid level detection with real-time reagent and sample monitoring
- **High-Precision Dispensing** : Accurate dispensing step by 0.1 μL for sample and step by 1 μL for reagent
- **Collision Protection & Depth Adjustment** : Smart probe with depth auto-calibration and collision avoidance
- **Teflon-Coated Mixer** : Minimizes carry-over by preventing droplet formation



CAPACITY FEATURES

- **Efficient Cooling System** : Peltier-based cooling technology
- **Large Capacity** : 80 reagent and 40 sample positions for high-throughput
- **Barcode Reader** : Simplifies onboard reagent management
- **Sample Auto Dilution** : Smart adjustment for high, low, or normal concentrations

SOFTWARE & OPERATIONAL FEATURES



- **User-Friendly Interface:** Simple, intuitive design for smoother operation
- **Calibration:** Linear/non-linear with up to 8-point calibration
- **Quality Control:** Supports Westgard rules, L-J plots, and cumulative QC data
- **Result Auto Verification:** Real-time abnormal result monitoring
- **Alarm Log:** Tracks all system alerts for easy troubleshooting

Wider Test menu

Lipid / Cardiac Profile:

CK MB & CK NAC
HDL Direct
LDL Direct
Triglycerides
Cholesterol
LDH

Renal Profile:

Urea
Creatinine
Uric Acid
Enzymatic Creatinine

Minerals:

Calcium
Magnesium
Phosphorus

Diabetic Profile:

Glucose
HbA1c
Microalbumin

Liver Function Test:

SGOT
SGPT
Bilirubin Total & Direct
Albumin
Protein
GGT

Immuno Turbidimetry:

ASO
CRP
RF

Other Enzymes:

Alkaline phosphatase
Amylase
Lipase

And Many More....



Specifications

General information

Type	Automated, Random Access Chemistry Analyzer
Test speed	Constant 200 tests/hour
Principle	Colorimetry, Turbidimetry
Test method	1 point end, 2 point end, Fixed-Time, Kinetic
Calibration type	Linear & nonlinear
Light source	Halogen lamp
Wavelength	340nm; 405nm, 450nm; 505nm; 546nm; 578nm; 630nm; 700nm

Sample unit

Absorbance range	0-4.0 Abs
Sample tray	40 sample positions
Resolution	0.0001 Abs
Sample tube	Primary & secondary tubes can be used
Sample volume	2-30µl, step by 0.1ul
Sample probe	Liquid level detection & Collision protection
Sample barcode	Available

Reagent unit

Reagent tray	80 reagent positions
Reagent volume	20-300µl, step by 1µl

Reaction unit

Reaction tray	44 reaction cuvettes
Reaction volume	150µl-330µl
Reagent barcode	Available

Working conditions

Power supply	AC 110/220V±10%, 50/60 Hz, 650W
Water consumption	6L/hr
Dimension	745mm 540mm 530mm(L*W*H)
Weight	45.4

SUPPORT



Real time online Application & Service support

Dedicated technical team offering support in 8 Indian languages.



Toll free number 1800 571 1101