"Think Biochemistry ! Think Vector..."

VECTOR

UNICORN 120

Fully Automatic Chemistry Analyzer

120 Tests/Hour, Double Reagent

www.vectorbiotekindia.com
TOLL FREE : 1800-270-1027

VECTOR BIOTEK PVT. LTD.

Multifunctional precision sampling probe

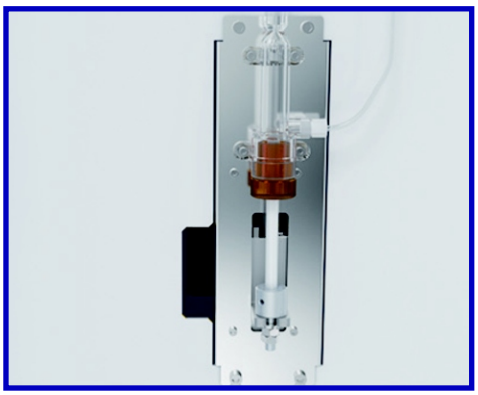
- Polished internally and externally, effective probe washing internally and externally.
- Liquid detection sensor, Accurate detection of reagents and sample volume.
- Collision Protection and automatic adjustment of probe.

Excellent mixer design

- Teflon coated mixer, Prevents Water Dropping (reducing carry-over)
- Homogenous mixing effect with standard mixing procedure steps.

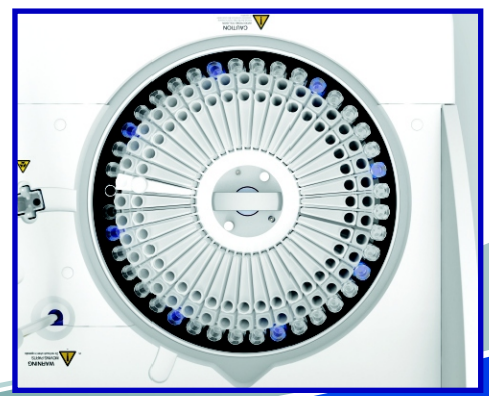
High precision ceramic syringe

- Durable ceramic piston
- Accurate dispensing with steps of 0.1µl
- Effective Pipetting at every dispension.
- Air purge for removing bubble



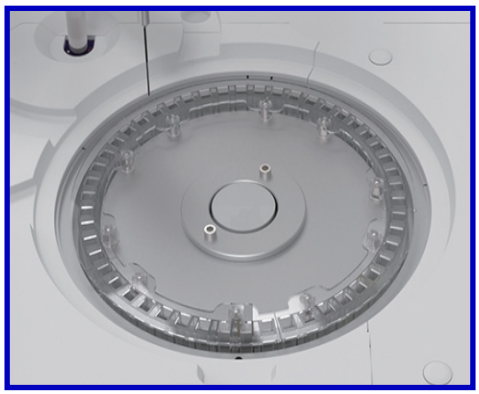
Reagent & sample tray

- 40 reagent positions (40 for R1 & 40 for R2)
- 40 sample positions; micro cup & test tube can be used
- 24 hours cooling system using peltier pad inside,
- STAT Position possible at any sample position
- QC, Calibrators can be load at any position.



Reaction tray

- 50 reaction cuvettes
- Reaction volume as low as 150 µl
- Stable & accurate temperature (37±0.1°C) for reaction
- Separate power switch for refrigeration
- Window for easy changing of lamp

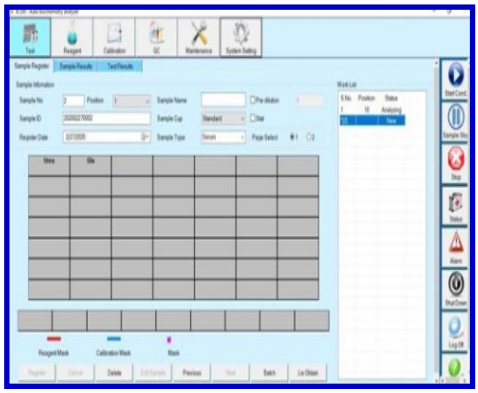


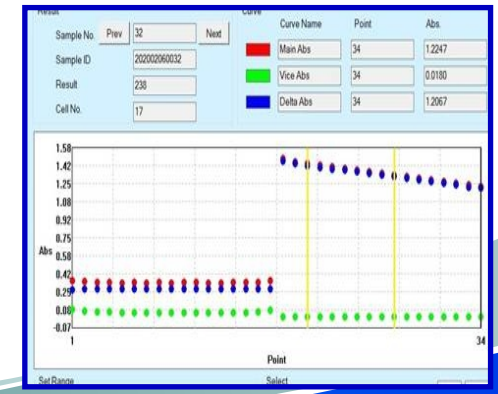
Unicorn 120 System Packs

- Barcoded ready to use liquid stable
- High on board stability
- Total solution of reagents, calibrators and controls

Advanced operating system

- User Friendly Iconic based operation menu, STAT Facility
- Administration Test Profile Panel, Easy Analysis of Data, Option of calculated test programming, Customization of printing formats
- Sample, Reagent and Reaction Disc Status, Sample Blank and Reagent Blank Auto Calculation, QC and Calibration Status, Reagent Volume Monitoring, Substrate Depletion Detection, Abnormal Status Warning, Automated features for Dilution (Pre and Post) and Rerun Option, Real time curve.
- Windows XP, Windows 7, Windows 8, Windows 10
- TCP/IP network
- 6 Optional Formats, Support Customization





UNICORN 120

Random Access Biochemistry Analyzer

Technical Specifications

General Information :

Machine Type	:	Random access
Test Speed	:	Constant 120 tests/hour (Mono Reagent or Double Reagent)
Test Principle	:	Colorimetric method, turbidimetry Immuno turbidimetry
Test Method	:	1 Point End, 2 Point End, Fixed Time and Kinetics
Calibration Type	:	Linear and Non Linear

Sample Unit :

Sample Tray	:	40 Sample Positions
Sample Tube	:	Micro Cup & Test Tube & Blood Collection Tube (Φ 12 - 13) mm * (25 - 100) mm
Sample Volume	:	2 - 30µL, Step by 0.1 µL
Sample Probe	:	Liquid surface detection, timely tracking for liquid volume. Collision Protection
Sample Barcode	:	Sample barcode reader (Option)

Reagent Unit :

Reagent Tray	:	40 Reagent Positions (40 for R1 or 40 for R2) 24 hours cooling system with paltier pad inside.
Reagent Volume	:	20 – 300 µL, Step by 1 µL

Reaction Unit :

Reaction Tray	:	50 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance.
Reaction Volume	:	150µL - 330µL

Mixing system

Mixer	:	Paddle-type mixing, effective and reducing carryover

Optical System :

Light Source	:	Halogen Lamp
Wave Length	:	340nm; 405nm; 505nm; 546nm; 578nm; 630nm; 700nm (4 more options)
Absorbance Range	:	0 – 4.0 Abs
Resolution	:	0.0001 Abs

Operating system

Operating System	:	Windows XP, Windows 7, Windows 8, Windows 10
Report Printing	:	6 Formats Optional, Support Custom Formats
Interface	:	Pattern, TCP/IP network Interface

Working Conditions

Power Supply	:	AC 110/220V ± 10%, 50/60 Hz, 1000W
Water consumption	:	6L/hour (maximum)
Dimension	:	750mm * 550nm * 490mm (L*W*H)
Weight	:	70 kgs

Power Supply

110/220V ± 10%, 50/60 Hz, 1000VA,
Earthing voltage < 5V online ups (230V)
with isolated transformer 2KVA

Exclusively Marketed in India by:

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