

"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.

UNICORN 120

Fully Automatic Chemistry Analyzer

Technical specifications

General information

Machine type	Random access, open reagent & locked reagent (optional)
Test speed	Constant 120 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 unit

Sample tray	40 sample positions
Sample tube	Micro cup & test tube & blood collection tube can be used. (Φ 12 -13)mm * (25 – 100)mm
Sample volume	2-30 μ L, step by 0.1 μ L
Sample probe	Liquid surface detection, timely tracking for liquid volume. Collision avoidance
Sample barcode	Sample barcode reader (optional)

Reagent unit

Reagent tray	80 reagent positions (40 for R1 & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2 $^{\circ}$ C-14 $^{\circ}$ C, open system, could accept any reagent.
Reagent volume	20-300 μ L, step by 1 μ L
Reagent needle	Liquid surface detection, timely tracking for liquid volume. Collision avoidance.
Reagent barcode	Reagent barcode reader (optional)

Reaction unit

Reaction tray	50 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance.
Reaction volume	150 μ L-330 μ L
Reaction time	10 minutes

Mixing system

Mixer	paddle-type mixing, effective reducing of carry-over
-------	--

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

Operating system

Operation system	Windows XP, Windows 7, Windows 8, Windows 10
Data processing	Automatic calibration, test combination, effective time management of reagents, serum index, whole process detection, linear expansion of enzyme, blank deduction, dirty cuvette memory, cross infection prevention, patient information memory and association input, automatic report audit, data fuzzy query, report statistics and printing, reference range grading, alarm information classification, user operation privilege classification management.
Report printing	6 formats optional, support custom pattern
interface	TCP/IP network interface

Working conditions

Power supply	AC 110/220V \pm 10%, 50/60 Hz
Water consumption	6L/hour(maximum)
Dimension	750mm * 550mm * 490mm(L*W*H)
Weight	70kg



Exclusively Marketed in India by:
VECTOR BIOTEK PVT. LTD.

Factory & Registered Office:
425, NEW GIDC, KABILPORE, NAVSARI - 396 424. (GUJ.) INDIA
Toll free:1800-270-1027 | Tel : +91-93757 94103 | Fax: +91-2637-265105
E-mail : service@beaconindia.com | Web : www.vectorbiotekindia.com
CIN No. U33112GJ2002PTC040978