



UNIKON 120

Fully Automatic Biochemistry Analyzer



Features

120 Test/Hour, Random, Discrete Fully Auto Biochemistry Analyzer

Multifunctional Probe with Liquid Detection sensor and accurate aspiration ensures accuracy of results

High precision and durable ceramic syringe for effective pipetting

Convenient : 40 reagent and sample positions with onboard cooling system

User friendly operating system



+91-8488995888

+91-8488994888 | +91-8488993888



beacontact@beaconindia.com

UNIKON 120

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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 - 30 μ L, Step by 0.1 μ L
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 μ L, Step by 1 μ L

Reaction Unit

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

Mixing system

Mixer	: Paddle-type mixing, effective and reducing carryover
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Optical System

Light Source	: Halogen Lamp
Wave Length	: 340nm; 405nm; 450 nm; 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 \pm 10%, 50/60 Hz, 1000VA
Water consumption	: 8L/hour (maximum)
Dimension	: 750mm * 550mm * 490mm (L*W*H)
Weight	: 70 kgs

Power Supply

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



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
E-mail : service@beaconindia.com | Website : www.vectorbiotekindia.com
CIN No. : U33112GJ2002PTC040978

