

Specifications

• System function

General: Benchtop, automatic, discrete, random access, STAT sample priority

Throughput: Up to 100 tests per hour

Principle: Colorimetry and turbidimetry

Methodology: End-point, fixed-time, kinetic, etc.

Programming: Open or closed system on demand

• Reagent/Sample handling

Reagent/Sample tray: 40 reagent positions
20 sample positions

Reagent volume: 10-300 μL , step by 1 μL

Sample volume: 1-40 μL , step by 0.1 μL

Reagent/Sample probe: Liquid level detection, vertical & horizontal collision detection and reagent inventory monitoring

Probe cleaning: Auto interior and exterior wash

• Reaction system

Reaction tray: 81 reusable cuvettes, auto cuvette washing station

Reaction volume: 150-750 μL

Reaction temperature: $37 \pm 0.1^\circ\text{C}$

Heating method: Solid heating

• Optical system

Light source: Halogen tungsten lamp

Photometer: Maintenance-free photometer, rear spectrophotometry by filters

Wavelength: 8 wavelengths: 340, 405, 450, 510, 546, 578, 630, 660nm (precision $\pm 2\text{nm}$)

Absorbance: 0-4.5 Abs

• Calibration and control

Calibration: K-factor, Linear, Spline, Logit-Log 4P, Logit-Log 5P, Exponential, Polynomial

Control: Westgard multi-rule, Cumulative sumcheck, Twin plot, L-J Chart

• Operation system

Computer: Built-in operation system - Linux

Screen: 10.4 inch color touch screen

Data storage: 100,000 results

Printer: Built-in and external printer

Others: Soft keyboard
Compatible with keyboard and mouse

Interface: Ethernet, USB, etc.

• Working condition

Power supply: AC 100~240V, 50/60Hz, $\leq 150\text{VA}$

Temperature: $10-30^\circ\text{C}$

Humidity: $\leq 85\%$

Dimension: 384mm*640mm*410mm
(Width*Depth*Height)

Weight: 30 Kg

Water consumption: $\leq 1\text{ L/H}$



VP 100

Veterinary Auto Chemistry Analyzer

VP 100

Veterinary Auto Chemistry Analyzer

Animal species



Dog



Cat



Pig



Horse



Cattle



Sheep



Rabbit

Full functionality, highly integrated microlaboratory

VP100 is the smallest and most integrated chemistry analyzer, which is perfect for low-volume laboratories.

It optimizes the use of space in the laboratory by providing full functionality in small space.

Standardized operation, which is consistent with larger analyzers, eliminates manual errors and makes test results more reliable.

The robust system prolongs uptime and increases productivity of lab.

The easy automated testing improves the workflow and mitigates manual labour, together with its cost-effectiveness, making it possible to bring benefits of automatic chemistry to all laboratories.



Up to 100 tests per hour
Fast start-up and shut-down process
User-friendly software
Removable reagent disk
Auto cuvette washing station...

EFFICIENT



ECONOMICAL



Minimum reaction volume 150 μ L
Reusable cuvettes
Few consumables
Low water consumption
Halogen lamp with long lifespan
Optional reagent closed system...

INTEGRATED



Small footprint on the desk
Big reagent and sample compartment
Built-in computer with touch screen
Built-in thermal printer
Complete solution with reagents
Powerful data transmission with USB, Ethernet ...

EFFICIENT



Reagent inventory monitoring
Accurate probe pipetting technique
Auto probe washing reduces carry-over
Simultaneous dual-wavelength measuring...