GenoTEK

GenoLabTEK

Random Access



MADE IN U.S.A PRODUCT

SMART-600

AUTO CHEMISTRY ANALYZER

- Constant 600 test/ hour with double reagent
- Double 90 reagent positions
- Automatic liquid level sensing, anti-collision protection .
- Multi wavelength simultaneous detection .
- New amorphous optical plastics reaction cups, perfect transmittance .
- Maintenance free semiconductor solid state refrigeration
- Friendly surface and easy to operation
- 8-stage, 2 times automatic washing system, Acid cleaning solution, alkaline cleaning solution



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Multifunctional precision sampling probe

- 3 separate needle probes, The inner and outer of needles are automatically

cleaned with acidic and alkaline cleaning solution to reduce cross contamination

and ensure the accuracy of measurement data

- Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback

of reagent & sample residuals. Automatic adjustment of depth, intelligent collision

protection, with automatic reset function

Excellent mixer design

- Two separate mixers, make the reaction liquid well mixed.
- Teflon coating mixers. No water dropping (reducing carry-over)
- Flat paddle method stirring, rotary washing
- Excellent mixing effect with standard mixing procedure

Reagent & sample tray

- 90 reagent positions
- 120 sample positions, micro cup & test tube blood collection can be used
- Non-stop cooling system, 24 hours 2°C-14°C
- Bar code reader(optional)

Reaction tray

- 120 reaction cuvettes
- Water circulation reagent cooling, Reaction volume as low as 150 µl
- Stable & accurate temperature{37±0.1 'C) for reaction
- 8-step automatic washing, clean thoroughly

Advanced operating system

- User friendly software interface simple, easy-to-operation
- Sample automatic dilution(decrease, increase, normal)
- Reaction result automatic checking and warning, calibration result automatic checking, warning alarm log
- Linear & nonlinear calibration,Multi-points calibration up to 8 points
- Quality control apply to westgard, L-T plot, cumulative

TECHNICAL SPECIFICATIONS

General information

Machine type	Random access, open reagent & locked reagent (optional)
Test speed	Constant 600 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	120 sample positions Micro cup & Test tube & Blood collection tube can be used.
Sample tube	(<D 12 -13)mm * (25-100)mm
Sample volume	2-30µL, step by 0.lµL Liquid surface detection, timely tracking for liquid volume.
Sample probe	Collision avoidance
Sample barcode	Sample barcode reader (optional)

Mixing system

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

Optical system

Light source	Halogen lamp
Wavelength	340-800nm, 12 wavelengths
Absorbance range	0-4.0 Abs
Resolution	0.0001 Abs

Working conditions	AC 110/220V ± 10%, 50/60 Hz, 650W
Power supply	≤ 40L/hour(maximum)
Water consumption	1110mm * 815mm * 1150mm(L *W*H)
Dimension	201kg
Weight	

Reagent unit

Reagent tray	Double 90 reagent positions , Refrigerator cooling system, 24 hours 2"C-14"C, open system, could accept any reagent.
Reagent volume	20-300µ1, step by lµl
Reagent needle	Liquid surface detection, timely tracking for liquid volume. Collision avoidance.
Regent barcode	Regent barcode reader (optional)

Reaction unit

Reaction tray	120 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance.
Reaction volume	150µ1-330µ1
Reaction time	10 minutes
Temperature	Water circulation reagent cooling

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, surpport custom pattern
interface	TCP/IP network interface