GenoTEK

GenoLabTEK inc.

SMART -150
FULLY AUTOMATIC CHEMISTRY ANALYZER

- ■ Constant 150 test/ hour with double reagent.
- ■ 80 reagent positions.
- ■ Automatic liquid level sensing.
- ■ Integrated full closed optical system.
- ■ Multi wavelength simultaneous detection .
- ■ Friendly surface and easy to operation.
- ■ Maintenance free refrigeration.

Multifunctional sampling probe
- External & internal mirror polish, external & internal probe washing
- Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals
- Collision protection, automatic probe depth adjusting

mixer design
- Teflon coating mixer. No water dropping (reducing carry-over)
- Excellent mixing effect with standard mixing procedure

High quality ceramic syringe
- Permanent ceramic piston
- Accurate dispensing even low as 0.1 µl

Reagent & sample
- 80 reagent positions (40 for Rl & R2)
- 40 sample positions, either micro cup or test tube can be used
- Non-stop cooling system ,24 hours 2°C-14°C
- Bar code reader(optional)

Reaction tray
- 44 reaction cuvettes
- Reaction volume as low as 150 µl
- Stable & accurate temperature(37±0.1 "C) for reaction

SMART-150

Device information		Sample information	
Machine type	Random access, open reagent & locked reagent (optional)	Sample position	40 positions
Test speed	Constant 150 tests/hour (Mono reagent or double reagent)	Sample tube	Micro cup & test tube & blood collection tube can be used.
Test principle	Colorimetric method, turbidimetry	Sample volume	2-30µL, step by 0.1µL
Test method	1 point end, 2 point end, Fixed-Time, Kinetics	Sample probe	Liquid surface detection, timely tracking for liquid volume.
Calibration	Linear & nonlinear	Sample barcode	Option

Reagent information		Reaction information	
Reagent position	80 reagent positions (40 for RI & 40 for R2), Non-stop	Reaction position	44 reaction cuvettes, new amorphous optical plastics reaction cups.
cooling system	cooling system with peltier pad inside, 24 hours 2"C-14"C,	Reaction time	10 minutes
Reagent volume	20-300µl, step by 1µL	Reaction volume	150µ1-330µL
Reagent needle	Liquid surface detection, timely tracking for liquid volume.	Temperature	Peltier pad incubation system, reaction temperature (37"C ± 0.1 "C)
Regent barcode	Option	Sample barcode	Option

Optical information		Working information	
Light source	Halogen lamp	Power supply	AC 110/220V ± 10%, 50/60 Hz, 650W
Wavelength	340nm; 405nm; 450nm; 505nm; 546nm; 578nm; 630nm; 700nm(4 more options)	Water consumption	5.8L/hour Max.
Absorbance range	0-4.0 Abs	Dimension	76cmx 47cmx 53cm (L *W*H)
Resolution	0.0001 Abs	Weight	79kg
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.		