

IB - 160

Fully Automatic Chemistry Analyzer

Technical specifications

General information		Mixing system	
Machine type	Random access, open reagent & locked reagent (optional)	Mixer	paddle-type mixing, effective reducing of carry-over
Test speed	Constant 150 tests/hour (Mono reagent or double reagent)	Optical system	
Test principle	Colorimetric method, turbidimetry	Light source	Halogen lamp
Test method	1 point end, 2 point end, Fixed-Time, Kinetics	Wavelength	340nm; 405nm; 450nm; 505nm; 546nm; 578nm; 630nm; 700nm(4 more options)
Calibration type	Linear & nonlinear	Absorbance range	0-4.0 Abs
Sample unit		Resolution	0.0001 Abs
Sample tray	40 sample positions	Operating system	
Sample tube	Micro cup & test tube & blood collection tube can be used. (Φ 12 -13)mm * (25 – 100)mm	Operation system	Windows XP, Windows 7, Windows 8, Windows 10
Sample volume	2-30μL, step by 0.1μL	Data processing	Automatic calibration, test combination, effective time management of reagents, serum index, whole process de-tection, linear expansion of enzyme, blank deduction,dirty cuvette memory , cross infection prevention, patient infor-mation memory and association input, automatic report audit, data fuzzy query, report statistics and printing, refe-rence range grading, alarm information classification, user operation privilege classification management.
Sample probe	Liquid surface detection, timely tracking for liquid volume. Collision avoidance	Report printing	6 formats optional, surpport custom pattern
Sample barcode	Sample barcode reader (optional)	interface	TCP/IP network interface
Reagent unit		Working conditions	
Reagent tray	80 reagent positions (40 for R1 & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2℃ -14℃ , open system, could accept any reagent.	Power supply	AC 110/220V ± 10%, 50/60 Hz, 650W
Reagent volume	20-300μl, step by 1μl	Water consumption	6L/hour(maximum)
Reagent needle	Liquid surface detection, timely tracking for liquid volume. Collision avoidance.	Dimension	750mm * 560mm * 535mm(L*W*H)
Regent barcode	Regent barcode reader (optional)	Weight	52kg
Reaction unit			
Reaction tray	44 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance.		
Reaction volume	150μl-330μl		
Reaction time	10 minutes		
Temperature	Peltier pad incubation system, reaction temperature (37℃ ± 0.1 ℃)		



IB - 160

Fully Automatic Chemistry Analyzer

150 Tests/Hour, Double Reagent




PT Inovasi Diagnostika
Kawasan Industri Jababeka III
 Jl. Tekno 1 Blok C2 Unit C, Cikarang Utara, Kab. Bekasi,
 Jawa Barat, Indonesia 17530
 Telephone : (+62) 21 2908 3393
 Whatsapp : (+62) 822 4642 0232
 Website : www.innodia.co.id
 E-mail : marketing@innodia.co.id



IB - 160

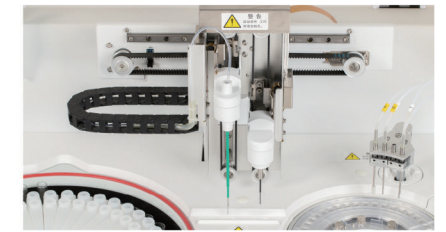
Fully Automatic Chemistry Analyzer

- Constant 150 test / hour with double reagent
- 80 reagent positions
- Automatic liquid level sensing, anti-collision protection.
- Integrated full closed optical system, multi wavelength simultaneous detection.
- New amorphous optical plastics reaction cups, perfect transmittance.
- Maintenance free semiconductor solid state refrigeration
- Friendly surface and easy to operation
- 3-stage, 2 times automatic washing system. After installing alkaline cleaning, 4-stage, 2 times automatic washing system



Multifunctional precision 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



Excellent mixer design

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



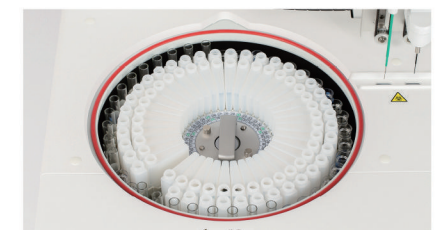
High precision ceramic syringe

- Permanent ceramic piston
- Accurate dispensing as low as 0.1 µl



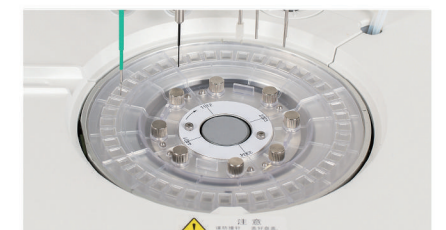
Reagent & sample tray

- 80 reagent positions (40 for R1, 40 for R2)
- 40 sample positions, micro cup & test tube can be used
- Non-stop cooling system with peltier pad inside, 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



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

