

# SINNOWA

## D320 BIOCHEMISTRY AUTO ANALYZER



### Reagent Table With Cooling System

- 80 Reagents position for R1 and R2 reagents
- Cover that can save reagent from evaporation
- Continuous cooling in case switching of analyzer main unit
- Stable cooling system by peltier



### PC Controlled Reaction Unit

- Stable incubation at  $37 \pm 0.1$  °C
- Flexibility on reaction volume between 180 $\mu$ L-300 $\mu$ L
- Optional reaction cuvet styles on quartz or PS cuvetts
- Between 340nm-800nm WL
- 8-14 different filters



### Multitasking, online, user-friendly interface

- Detailed user manual
- Online status of reaction, reagent and sample plates
- Online monitoring Absorbance-time plot
- Profile inputing, calculated items, Open reagent application system



### Optional Specifications

- Quartz Cuvets
- External&Internal barcode reader
- Additional sample/reagent/reaction tables
- ISE Unit (Na, K, Cl, Ca, PH)
- Additional Filters
- Fibrin (Clog) detection system



### Compatibility with Archem Biochemistry Reagents

- Ready application inserts for Archem Biochemistry& Turbidimetry Reagents
- Optional ready onboard Archem reagent bottles



## Technical Specifications

- Random Access (Emergency test input mode), Easy mode (Continuous loading mode)
- Test Methods: Kinetic, Endpoint, Differential (Sample Blank), Fixed Time, Protein immunoassay, Turbidimetric, Multiclaibrator tests (1-6 Calibrator)
- Test Speed: 550 Tests/Hour (Including ISE) (Photometric : 300 Tests/Hour)
- Reagent Table: R1:40, R2:40 Reagents (Total: 80 Reagents)
- Sample Tray: 60 Samples at the same time.
- Calibration and Control: Can be done by 1-6 calibrators/controls automatically
- Cooling System: By stable peltier system between 2-8 °C. Cooling unit can work separately from main unit (Lamp saving system)
- Cover on reagent, sample, reaction units defense evaporation.
- Automated control dirtynes range of reaction cuvetts
- Liquid level sensor: Sample, R1 and R2. (Low reagent/sample warning)
- Probe crash sensor (Probe saving system): Sample, R1-R2 and ISE probes
- Automated washing station (8 Times wash and dry function)
- Reusable reaction cuvetts and automated cleaning system on reaction cuvetts.
- Reaction Tray: 90 Reusable photoptic high quality PS reaction cuvetts
- Optional Quartz reaction cuvetts usage (Long life)
- Online control system from central technic service (Remote Control)
- Ready HIS/LIS application (Data can input automacaly and can send to hospital automation system automatically)
- Typical reaction volume: 180 $\mu$ L-300 $\mu$ L
- 'Direct Reading System' by fiberopic light cable technology
- Autodilution: In case of test results higher than linearity range
- Primary sample tubes (Vacuum) and sample cup usage flexibility
- Long life halogen lamp. Filter saving system by 'light trnsfer over fiberopic cables'
- Photometric test accuracy: %1 Between 0.0000 OD (Abs.) to 5.0000 OD (Abs.)
- Reading Interference: +2 mA at 340 and at 3.000mA.
- Carry Over Value: (Influencing one test from another) Less than %1.
- Reaction Table Incubation: 37°C $\pm$ 0.1°C by peltier effect.
- Open/Flexible reagent application system and ready application inserts for detailed Archem Biochemistry&Turbidimetry reagent panel.
- Windows XP/2000 based Control/Management Program
- Unlimited users&profiles, more than 300 different tests program location.
- Levey-jennings QC Charts, QC programs, QC results printing, Statistical datas
- ISE Modules (Optional) with test items: Na<sup>+</sup>, CL<sup>-</sup>, K<sup>+</sup>, Ca<sup>2+</sup>, Ph
- Control by Computer by RS232 data cable, Data back up systems
- Barcode reader for automatic sample input
- Size (cm): 65-80-120 Weight: 225 Kg
- Power: 220 Volt/50 Hz.

- Test Speed: 550 Tests/hour (Including ISE). (Photometric test speed: 300 Tests/hour)
- Reagent Tray: 80 reagents
- Sample Tray: 60 Samples
- Random Access, Easy Mode
- 8-14 filters flexibility
- 3 Probes (Sample-R1-R2, ISE, Mixing Probes)
- Powerfull cleaning system and optimum incubation enviroment by prewarmed distilled water to 37°C
- Low distilled water consumption (2-4 Liter/hour)

### Turkey and Middle East Distribution

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