

URIT-8260

Automatic Chemistry Analyzer

Global Diagnostics Supplier

| Specifications |

Assay methods: End Point, Kinetic, Fix time etc.

Principle: Photoelectric Colorimetry

Light Source: Halogen lamp 12V/20W

Photometry range: 0~3.2Abs

Resolution: 0.0001Abs

Wavelength: 12 wavelengths (340nm、405nm、450nm、480nm、505nm、546nm、570nm、605nm、660nm、700nm、750nm、800nm) using grating

Throughput: 420 tests/hour, 660 tests/hour with ISE

Reagent tray: 82 reagent positions

Sample tray: 99sample positions, including detergent position, standard positions, QC positions, STAT positions

Reaction tray: 120 reaction positions

Sample volume: 2~100ul, with 0.1ul increment

Reagent volume: 5~500ul, with 0.5ul increment

Minimum reaction volume: 150ul

Maximum reaction time: 10 minutes

Water Consumption: less than 18 L/hour under working status

Clean unit: 8-steps auto-washing system

Calibration: Calibration reset, select best test point by reaction curve, no need second calibration

Control rules: Westgard multi-rule, Cumulative sum check, Twin plot

Temperature control: incubator $37 \pm 0.1^\circ\text{C}$

Power supply: AC 220($1 \pm 10\%$)V, 50Hz

Ambient: Operating temperature: $10 \sim 35^\circ\text{C}$

Relative humidity: $\leq 85\%$

Atmospheric pressure: 86~106kPa



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Automatic Chemistry Analyzer

- Discrete, Random access, 420 t/h, 660 t/h with ISE
- High accurate, static state grating optical system
- Support bi-direction LIS and HIS interface
- Optional internal barcode reader

| Features |

- ✓ 8-steps auto-washing system with detergent and 37°C water
- ✓ 24 hour non-stop water cycle cooling system to ensure reagent at $2 \sim 8^\circ\text{C}$
- ✓ Three-unattached durable ceramic syring
- ✓ Incubation system with solid
- ✓ Collision protection in both vertical and horizontal directions
- ✓ Stop & alarm automatically once touching barrier, not affect former tests
- ✓ Automatic eligible cuvettes detection & selection
- ✓ Select best test point by reaction curve, create new factor automatically

URIT MEDICAL ELECTRONIC (GROUP) CO., LTD.

Add: No.4 EAST ALLEY, JIUHUA ROAD, GUILIN, GUANGXI 541001, P.R.CHINA

Tel: +86 773 2288583/2288589 Fax: +86 773 2288560/2288559

E-mail: export@uritest.com service@uritest.com Http://www.urit.com



Rev: 201108-1 (20110821)

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Automatic Chemistry Analyzer



Accurate Sampling (Sample/Reagent) System

- ▣ Collision protection
- ▣ Liquid level detection
- ▣ Internal and external probe washing
- ▣ Probe depth adjustment automatically

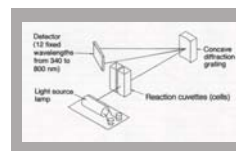


High performance mixer design



- ▣ Absence of cross contamination
- ▣ Optimal homogenization in minimum time
- ▣ Mixing immediately after dispensing of sample and the second reagent

Stable Optical System



- ▣ Halogen-tungsten lamp
- ▣ High accurate, close, static state grating optical system
- ▣ Spot photometry with high speed digital transmission system

High performance reaction system



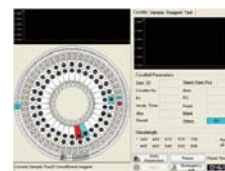
- ▣ 120 Durable cuvettes
- ▣ Low consumption, open reagent design
- ▣ 8-steps auto-washing system with detergent and 37°C deion-water to ensure cuvettes clean and decrease cross contamination

Multi-function sample/reagent tray



- ▣ 82 reagent positions, support multiple reagent bottle type.
- ▣ 24 hour nonstop cooling system with peltier element and circular water
- ▣ 99 sample positions including routine, stat, control and standard
- ▣ Various primary tubes and special cups can be used
- ▣ Up to 20 virtual sample tray can be programmed
- ▣ Optional internal barcode reader for sample and reagent

Friendly operation system



- ▣ Running status of reagent tray, sample tray and reaction tray
- ▣ Real time monitoring of reagent residual volume
- ▣ Intelligent carry over setting to adjust test sequence, STAT test priority
- ▣ Real time monitoring of reaction curve
- ▣ Real time diagnosis of system working status