

# URIT-8210

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:** -0.5~6.0Abs

**Resolution:** 0.0001Abs

**Wavelength:** 10 wavelengths optional (340nm~800nm)

**Throughput:** 330tests/hour

**Reagent tray:** 59 reagent positions, 1 detergent position

**Sample tray:** 71 sample positions, including detergent, standard, QC, STAT positions

**Reaction tray:** 90 reaction cuvettes

**Sample volume:** 2ul~35ul, with 0.05ul increment

**Reagent volume:** R1:10ul~300uL, with 0.5uL increment

**Minimum reaction volume:** 150uL

**Maximum reaction time:** 14 minutes

**Water Consumption:** 8L/hour under working status

**Clean unit:** 8-step auto-washing system with detergent and 37°C water

**Calibration:** Calibration reset, select best test point by reaction curve, no need second calibration  
Line/non-line;multi-standards assay

**Control rules:** Westgard multi-rule, Cumulative sum check, Twin plot  
3 level controls for each item,analyzing and printing QC analysis diagram

**Temperature control:** incubator 37 ± 0.1 °C

**Power supply:** AC110/230(1 ± 10%)V,50/60Hz,500VA

**Ambient:** Operating temperature: 10~30°C

Relative humidity: ≤85%

Atmospheric pressure: 86~106kPa

## | Features |

- ▣ 24 hour non-stop cooling system to ensure reagent at 2~8°C
- ▣ Dual-unattached durable ceramic syringes to ensure accuracy & precision
- ▣ 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
- ▣ High accurate optical system
- ▣ Support LIS interface



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- ▣ Random access, 330 tests/hour
- ▣ ISE and barcode (Optional)
- ▣ 10-wavelength, high accurate and closed optical system
- ▣ Unattached probe and mixer
- ▣ Supports LIS system



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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

### Efficient reaction system



- ✔ Reaction disk: 90 semi-permanent plastic cuvettes
- ✔ Minimum reaction volume 150  $\mu$ l
- ✔ Operating temperature: 37°C, Temperature fluctuation:  $\pm 0.1^\circ\text{C}$

### Multi-function sample/reagent tray



- ✔ 60 reagent positions, support 25mL, 50 mL reagent bottle type.
- ✔ 71 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
- ✔ 24 hours nonstop cooling system with peltier element

### Dynamic and real time display of running status



- ✔ 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
- ✔ Probe depth adjustment automatically
- ✔ Real time monitoring of reaction curve
- ✔ Real time diagnosis of system working status