

URIT-8280

Automatic Chemistry Analyzer

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: Constant 640 tests/hour, 1000 tests/hour with ISE

Reagent tray: 160 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: 5~1000ul, with 0.5ul increment

Minimum reaction volume: 150ul

Maximum reaction time: 10 minutes

Water Consumption: less than 25L/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: 10~35 $^{\circ}\text{C}$

Relative humidity: $\leq 85\%$

Atmospheric pressure: 86~106kPa

Features

8-steps auto-washing system with detergent and 37 $^{\circ}\text{C}$ water

24 hour non-stop water cycle cooling system to ensure reagent at 2~8 $^{\circ}\text{C}$

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



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Automatic Chemistry Analyzer

A comprehensive fully automated solution for high quality & throughput clinic chemistry testing



Chemistry Analyzer

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URIT

Global Diagnostics Supplier

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Automatic Chemistry Analyzer

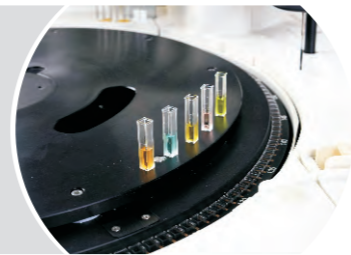
Washing station

- 8 stage washing system
- Includes washing solution and pure water wash steps



Reaction system

- 120 semi-permanent cuvette
- Solid direct heating system
- Minimum reaction volume: 100 μ l



URIT-8280 test menu allows for complete consolidation of routine and special tests on a efficient and friendly used platform

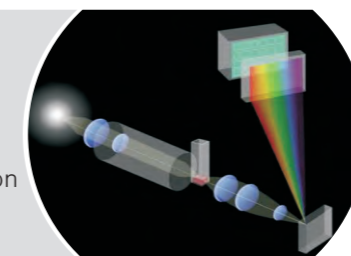
Optical system

- High accurate, close, static state grating optical system, 12 wavelength
- Spot photometry with high speed digital transmission system
- High quality light source ensure 2000 hours lifespan
- Water cooling system, stand-by mode



Sampling system

- Collision protection
- Liquid level capacitance detection
- Precise syringe



URIT-8280 is a fully automated, high efficiency solution for chemistry clinic testing offering the ultimate in performance, convenience and confidence. At optimal configuration, URIT-8280 performs 640 tests/hour (1000 tests/hour with ISE), providing high quality testing for medium to big sized laboratories.



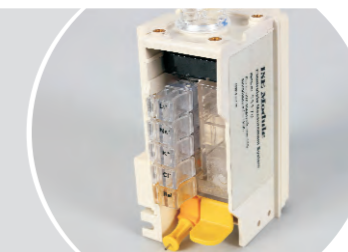
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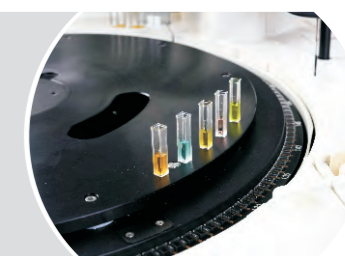
ISE module

- Items: K^+ , Na^+ , Cl^- , Li^+
- Integrated reagent bag



LIS system

- Inner barcode reader
- Supports LIS system



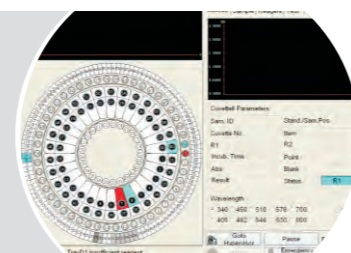
Reagent system

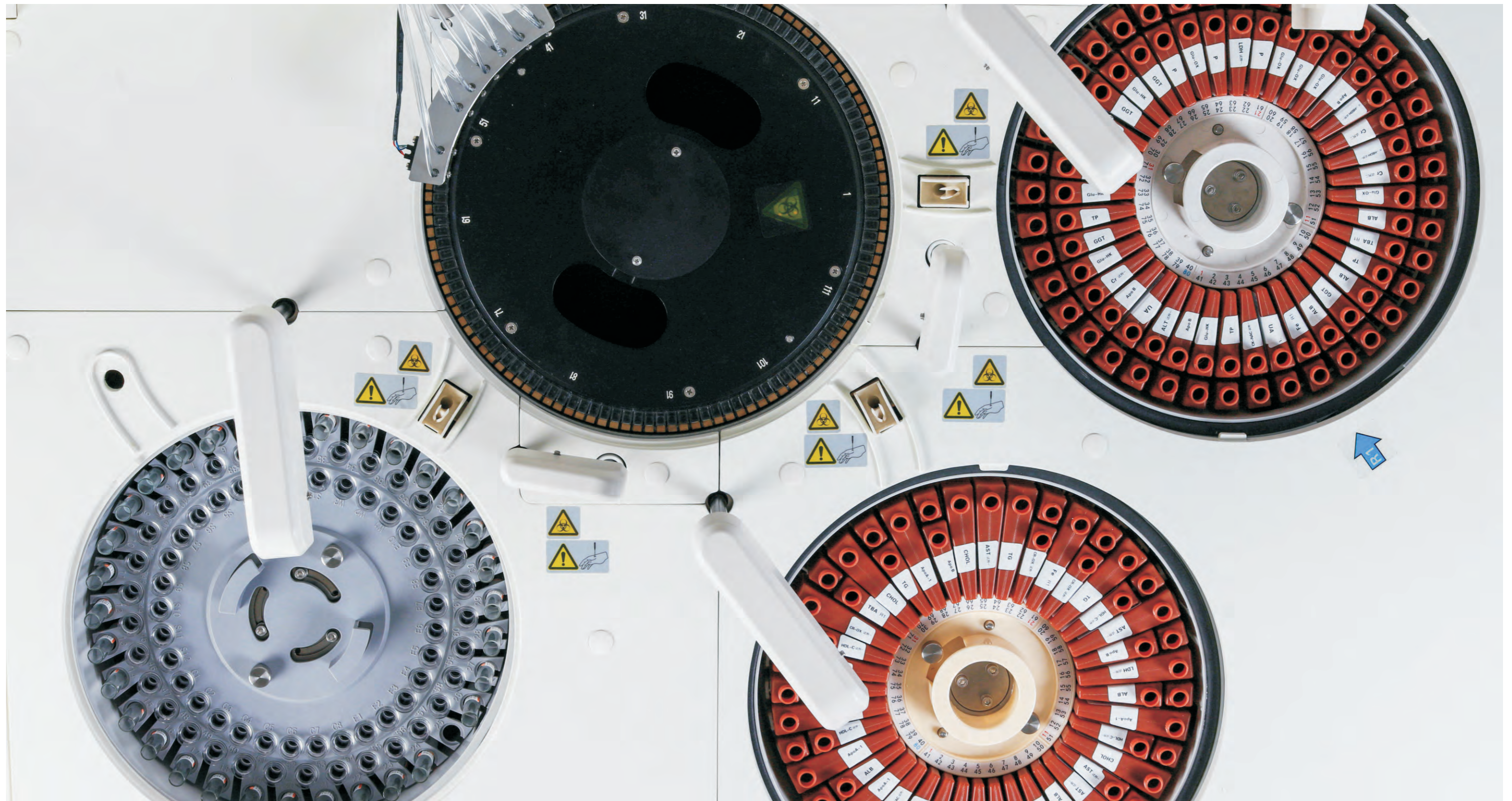
- Double reagent tray, slope designed
- 160 reagent positions, supports 20ml, 40ml, 70ml bottles
- 24 hours non-stop cooling system



Operation system

- User-friendly & Multifunctional Software
- Running status of reagent tray, sample tray and reaction tray
- Real time monitoring of reagent residual volume
- Real time monitoring of reaction curve





- Fully automated chemistry analyzer
- 640 photometric tests per hour (1000 tests per hour with ISE) with STAT priority function
- 120 semi-permanent cuvettes automatically washed in a 8 stage cleaning process
- Digital liquid level & collision detection
- Cooled reagent & sample carousel to enhance onboard stability
- Built in Inventory Management System automatically tests and reports remaining reagent volume
- Low reaction volume can be 100 μ l at minimum
- inner barcode, support LIS system

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