

iChem¹²⁰



iChem¹²⁰



IRIS Healthcare Technologies Private Limited
E-310, Eastern Business District, Magnet Mall,
L.B.S. Marg, Bhandup (West), Mumbai - 400 078 India

Tel.: +91 22 67208041 / 67208042 / 67208043
Email: info@iris-healthcare.com Web: www.iris-healthcare.com





System Function

Fully automated, Discrete, Random access for routine, STAT, Urine and homogeneous immuno assays; STAT sample priority

Throughput Up to 150 tests per hour (without ISE)

Test principle Colorimetry, Turbidimetry

Methodology End-point, Kinetics, Fixed-time, etc. Support single/dual wavelength and 1-2 multiple reagent item, linear and non-linear calibration



Features

- Fully automated, discrete, random access
- Up to 150 tests per hour
- Water consumption : Less than 3.5 L/H
- 40 positions for samples and reagents respectively, 24-hour non-stop cooling
- Optional barcode reader and ISE
- Airtight Static Matrix Optical System (ASMOS), rear spectrophotometry with synchronized double and single wavelength testing
- Highly polished sample probe, with liquid level detection, automatic probe depth adjustment and collision protection
- Alkaline solution washing to prevent carryover
- Independent mixer, rinsed in vertical style
- 81 special ultraviolet transmitting plastic cuvettes
- Windows based operating system

Sample / Reagent System

- Sample/Reagent tray 40 positions for sample and reagent respectively in refrigerated compartment (4~12°C)
- Sample volume 2~50µL, step by 0.1µL
- Reagent volume R1: 150µL~500µL, step by 1µL
R2: 10µL~350µL, step by 1µL
- Sample/Reagent probe Liquid level detection, automatic probe depth adjustment & collision protection
- Sample tube Compatible with blood collection tube, minimal tube, sample cup etc
- Reagent bottle Compatible with various sizes of reagent bottles

Reaction System

- Cuvette Special ultraviolet transmitting plastic cuvette and optical length of 5mm
- Reaction volume 150µL~500µL
- Heating Fully sealed constant temperature, heated by solid substance, fast and steady
- Reaction temp 37±0.1°C
- Mixing system Independent mixing probe
- Reaction cuvette Disposable

Optical System

- Light source 20W/12V halogen lamp, lifetime 2000 hours
- Photometric method Airtight Static Matrix Optical System(ASMOS), full-sealed, maintenance free
- Wavelength 8 wavelengths: 340,405,450,510,546,578,630 and 670nm, supports single / dual wavelength
- Absorbance range 0~4.00Abs

Calibration & Control

- Calibration method Linear, Logit-log 4P, Logit-log 5P, Spline, Exponential, Polynomial
- Control rule Westgard multi-rule, Cumulative sum check, Twin plot

Operation Unit

- Operation system Windows based operating system
- Interface RS-232

Others

- Power supply AC 100V~240V,50Hz/60Hz
- Power 300W
- Dimension 855x650.5x579 mm
- Net Weight 80kg

