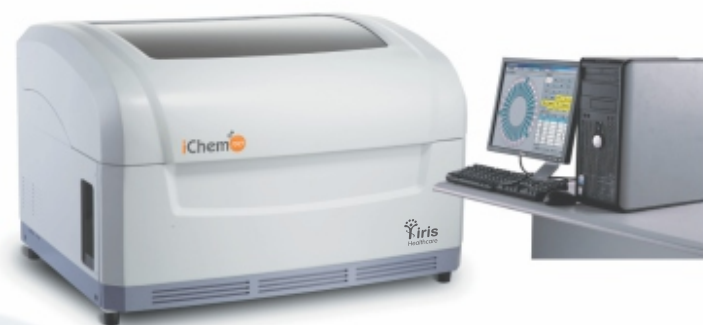


iChem<sup>150</sup>



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**IRIS Healthcare Technologies Private Limited**  
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Mulund (West), Mumbai - 400 080. India

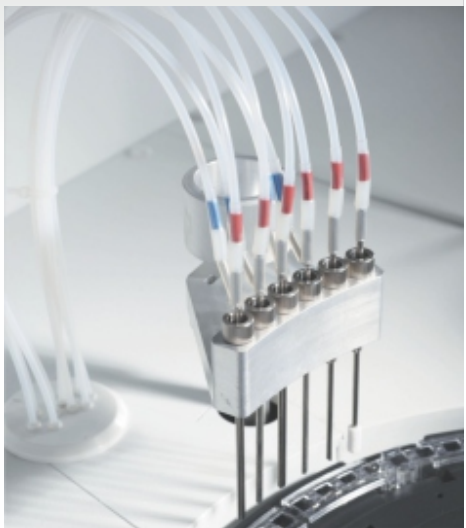
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**System Function**

Fully automated, Discrete, Random access for routine, STAT, Urine and homogeneous immuno assays; STAT sample priority  
 Throughout 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 and Random access
- Up to 150 test per hour
- External barcode reader and ISE (optional)
- 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 vortical style
- 81 special ultraviolet transmitting plastic cuvettes and optional quartz cuvettes
- On-board laundry with 6-step washing function and water consumption less than 3.5L per hour
- 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 - 30 µL with increments of 0.1 µL
Reagent volume	R1: 150 µL - 300 µL R2: 20 µL - 300 µL
Sample/Reagent probe	Liquid level detection, automatic probe depth adjustment and 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	150 µL ~ 500 µL
Heating	Fully sealed constant temperature, heated by solid substance, fast and steady
Reaction temp.	37 ± 0.1° C
Mixing system	Independent mixing probe
Cleaning system	On-board laundry with 6-step washing function

**Optical System**

Light source	20W/12V halogen lamp with lifetime of more than 2000 hours
Photometric method	Rear spectrophotometry by filter technology, fully sealed, free from mildew
Wavelength	8 wavelengths from 340nm to 670nm
Absorbance range	0~4.00Abs

**Calibration & Control**

Calibration mode	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

**Working Conditions**

Power supply	AC100 ~ 240V
Power	350VA
Dimension	855X640X560 mm
Net Weight	100Kg

