

## Technical specification

**System features** : Random Access,  
STAT: Sample, Calibration &  
QC priority

**Throughput** : 160 Test/hour

**Measuring Principle** : Absorbance Photometry,  
Immunoturbidimetry

**Assay Method** : Endpoint  
Kinetic  
Two-Point/Fixed Time  
Linear/Non-linear multipoint calibration  
Bichromatic/Monochromatic  
Single/Dual Reagent chemistry

**Reagent/Sample Tray** : Up to 40 Sample Positions  
Up to 36 Reagent Positions

**Reagent Volume** : 1 $\mu$ L~ 400 $\mu$ L

**Sample Volume** : 1 $\mu$ L~ 100 $\mu$ L

**Reagent / Sample probe** : 2 Probes  
1 Sample / reagent Probe  
1 Mixer

**Laundry System** : Independent washing station  
for Probe and Mixer  
Onboard 4 Step Washing for  
Cuvettes

**Sample dilution** : Programmable Pre - dilution  
/ Auto - dilution available

**Optical System** : 8 Static Wavelength (340~670nm)  
Halogen lamp  
Absorbance range 0 ~ 3.5 Abs

**Reaction volume** : 200~300 $\mu$ L

**Control and Calibration** : QC with L J plot  
Westgard rules  
Linear, non-linear,  
multi standard, K factor

**Operation Unit** : Windows XP or Vista &  
Windows 7, Windows 10,  
Windows 11

**LIS** : Unidirectional

### **Working Conditions :**

Power Requirements : 220  $\pm$  22V~, 50  $\pm$  1Hz or  
110 $\pm$ 11V~, 60 $\pm$ 1Hz 1000VA

**Dimensions** : 650mm(L) x 520mm(B) x 484mm(H)

**Net Weight** : 54Kg



# Eraichem 1000

Fully Automatic Clinical Chemistry Analyzer

A Complete Walk Away System !



**Compact, Benchtop, Random Access**

**160 test/hour Throughput**

**STAT provision for Sample, Calibration & Quality Control**

**Onboard Laundry system**

**Isolated air flow in probe to avoid contamination**

**Programmable auto maintenance facility**

\*Specifications are subject to change without the prior notice of manufacturer.



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**Eraichem 1000 is a Benchtop, Compact, Fully Automatic Clinical Chemistry Analyzer that offers Good Reliability, Efficiency & Highly accurate results**



**Sample / Reagent Tray**

- Upto 40 sample Positions
- Upto 36 Reagent Positions
- Onboard refrigeration facility ( $\leq 15^{\circ}\text{C}$ )
- Onboard Detergent facility



**Stirrer Mechanism**

- Stirrer that provide proper mixing
- Ensures highly precise & accurate results



**Laundry System**

- 4 Steps washing system
- Water Consumption upto 2.5 litre/hour
- Independent washing station for Probe & Mixer



**Reaction Tray**

- 60 reaction cuvettes which can be replaced individually
- Reaction volume - 200-300 $\mu\text{L}$
- Optical Path length - 6mm



**Sample /Reagent Probe**

- Single Probe for sample/reagent
- Isolated air flow in probe to avoid contamination



**Optical System**

- Halogen lamp with long shelf life
- 8 Static Wavelength
- Absorbance Range 0~ 3.5 Abs



**User Convenient Software**

- Ease in programming daily work list
- Simultaneous accesibility of multiple tabs
- Editable auto dilution mode
- Onboard reagent volume monitoring



**QC & Calibration**

- Optimum calibration curve
- Tri-level QC with LJ Plot & Westgard rules
- Simultaneously monitoring 2 levels of QC



**Device Maintenance**

- Blanking option to monitor onboard cuvette life
- Sleep mode to increase lamp shelf life
- Soak cuvette facility to increase cuvette life

- A complete walk away system with Exclusive Automated features
- Auto dilution for high linearity samples
- Use of Multiwavelength option eliminates interferences from abnormal samples
- Onboard & Onscreen Alarm facility alerts the user for any malfunctions
- Independent Probe & Mixer facility provides highly precise results
- STAT facility for Sample/QC/Calibration helps the user with reporting
- Auto-maintenance function saves user time
- Wide range of dedicated SystemPak available
- Onboard 4 step laundry system

Use of Multiwavelength option eliminates interferences from abnormal samples

- **Wide range of Clinical Chemistry Reagent**
- **Liquid Stable SystemPak**
- **Packsizes option suitable to meet customer needs**
- **Good Onboard Stability of SystemPak**