



MANUFACTURE STANDARD, MANUFACTURE RELIANCE

# Chemray 240

Automated Chemistry Analyzer



NEW



## Features

- Automatic, Random Access
- Up to 240 tests per hour
- Reagent pre-heating, liquid level detection
- Automatic 8 steps washing system (optional), Low carry over
- Labor saving, simple programming and real walk-away operation
- 24 hours non-stop reagent cooling compartment
- Reagent open system, close system on request
- Micro-volume for sample and reagent
- User-friendly software based on Windows XP



# Chemray 240

## Automated Chemistry Analyzer



### Technical Specifications

#### System Function

- Throughput: Up to 240 tests per hour
- Contents of the testing: Clinical chemistry, Immunoturbidimetric
- Analytical modes: End-point, Two-point, Kinetic
- Programming: Open system with user defined programs
- Automatic, Random Access
- STAT sample priority

#### Sample Tray

- Sample position: 40 positions for samples
- Sample volume: 3 ~ 45  $\mu\text{L}$ , 0.5  $\mu\text{L}$  adjustable
- Any position for standard and quality control setting

#### Reagent Tray

- Reagent position: 40 positions in refrigerated compartment
- Refrigerated temperature: 4 ~ 15 $^{\circ}\text{C}$
- Reagent volume
  - R1: 180 ~ 450  $\mu\text{L}$ , 1  $\mu\text{L}$  adjustable
  - R2: 30 ~ 250  $\mu\text{L}$ , 1  $\mu\text{L}$  adjustable

#### Reaction Tray

- Reaction positions: 81 cuvettes, 9 cuvettes/strip
- Cuvette: Optical length 5mm
- Reaction volume: 180 ~ 500ul
- Reaction temperature: 37 $^{\circ}\text{C}$ , fluctuation  $\pm 0.1^{\circ}\text{C}$
- Independent mixing probe
- Cuvette washing(optional): Automatic 8 steps washing system

#### Probe

- Pre-heating for reagent
- Collision protection, Liquid level detection and Inventory checking
- Automatic inner and outer probe washing after every cycle, carry over <0.1%

#### Measuring and Optic System

- Lamp: Halogen lamp
- Absorbance range: 0 ~ 3.500Abs $\pm 1\%$
- Wavelengths: 8 wavelengths from 340-700nm including 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm
- Resolution: 0.0001ABS

#### Working Condition

- Power supply: AC 100/240V 50/60 Hz
- Temperature: 10 ~ 35 $^{\circ}\text{C}$
- Humidity: 35 ~ 80%
- Water consumption: Max 2.5 L/hour
- Dimensions: 800cm(L)\*600cm(W)\*650cm(H)
- Gross weight: 80KG

#### Status Menu



#### QC Graph



High precision probe



8 steps washing



Reusable/Disposable cuvettes

#### TecDev

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