

# of Precision

Flexibility

Efficiency

Connectivity

## User Interface

Software operation and data searching made simple as ABC with latest software technology

## Sample Loading

Continuous loading made possible by rack handler and unique double rotation sample tray

## Sample Probe

Multiple sensors on probe for safe and accurate sampling process

## Cuvette

Minimum reaction volume of 50 µl

## Reagent Tray

Unique reagent tray rack system for easy reagent loading

## Wash Unit

Efficient wash system using minimum water and wash solution for eco friendly system

## HbA1c Measurement

Automatic hemolysis sample pretreatment for easy, fast and accurate measurement of HbA1c

Clinical Chemistry Analyzer

MODEL

# CA-800

## Specifications Clinical Chemistry Analyzer CA-800

Type	Fully automated clinical chemistry analyzer	
Usage	General chemistry as photometric assay Immunology as photometric assay (Latex reagents available)	
Assay type	End point, 2 point end, rate, 2 point rate and electrolytes	
Throughput	800 tests per hour (Up to 1200 tests per hour with optional ISE module)	
Incubation time	10 minutes after applying sample for one-reagent assay 5 minutes after applying second reagent for two-reagent assay	
Sample type	Serum, plasma and urine	
Sample input system	Type:	Removable tray with sample tube holder on a turntable
	Capacity:	Up to 94 samples (handling of STAT available)
	QC sample and Calibrator:	10 positions on designated inner tray
Sampling pipette	Type:	Micro pipette with liquid level detector and clot detector
	Rinsing:	Inside and outside with purified water
Sampling pump	Type:	Micro syringe
	Volume:	0.5 to 25.0 µl (increment by 0.1 µl)
Reagent system	Type:	Removable tray with reagent bottle holder on a turntable
	Capacity:	100 reagent positions on a tray (50 each for 70 ml and 20 ml bottles)
	Inventory:	Calculation of remaining reagent volume available
	Cooling:	Cooling with peltier element (8 °C to 15 °C)
Reagent pipette	Number of pipettes:	2
	Type:	Micro pipette with liquid level detector
	Rinsing:	Inside and outside with purified water
	Other function:	Detection of remaining reagent volume available
Reagent pump	Type:	Micro syringe
	R1 Volume:	20 to 250 µl (increment by 1 µl)
	R2 Volume:	5 to 180 µl (increment by 1 µl)
Cuvette system	Number of cuvettes:	153 cuvettes on reaction line
	Type:	Semi-disposable cuvette with onboard washing system
	Material:	Resin or glass
	Volume for measurement: Maximum volume:	Minimum 50 µl 250 µl in total
Reaction system	Type:	Direct heating system
	Temperature:	37 °C
Detector	Method:	Direct measurement of absorbance in cuvette Bi-chromatic or Mono-chromatic
	Wavelength:	340 nm, 380 nm, 415 nm, 450 nm, 478 nm, 510 nm, 546 nm, 570 nm, 600 nm, 660 nm, 700 nm, 750 nm, 800 nm (13 wavelengths)
	Light source:	Halogen tungsten lamp
Stirring system	Type:	Stick type rotating stirrer
Dimensions	1,300 mm (W) x 850 mm (D) x 1,150 mm (H) (Analyzer only)	
Option	ISE module, glass cuvette	
Model name	Rack Handler RH-150	
Sample rack	5-sample racks	
Loading sample	150 samples	
Dimensions	890 mm (W) x 850 mm (D) x 924 mm (H)	
Notes	Specifications subject to change without notice.	

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Clinical Chemistry Analyzer

MODEL

# CA-800



# New Definition of Precision

Comprehensive solution to high complex demand

## 1 Sample Probe

- ▶ High precision adjustable sample clot detection
- ▶ Minimum sample volume of 0.5 µl, lowest of its class

## 2 Sample Tray

- ▶ Double rotation sample tray for on the fly STAT samples

## 3 Sample Addition

- ▶ "Stop" and "Go" buttons for simple sample addition

## 4 Rack Handler

- ▶ Intelligent automatic rack system for seamless sample processing
- ▶ Easy and quick rack loading/collection by rack basket

## HbA1c Measurement

- ▶ Simple, fast and accurate HbA1c measurement by onboard sample pretreatment

## 9 Integrated ISE Module (optional)

- ▶ Measurement of Na, K and Cl
- ▶ Throughput of 600 tests/hour

## 5 Wash Unit

- ▶ Minimum water usage with high quality test result

## 6 Cuvette

- ▶ Lowest reagent volume requirement of its class

## 7 Reagent Tray

- ▶ Hassle-free reagent loading with 10 fully independent reagent racks

## 8 User Interface

- ▶ Simple touch operation allowing quick access to each function
- ▶ Effective color coding for easy status identification
- ▶ Comprehensive test result data for in depth analysis



### Dimensions

