

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

State of art cuvette design makes measurement possible with 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 to 15 degrees Celsius)
Reagent pipette	Numbers of pipettors:	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:	Minimum 50 µl
Reaction system	Maximum volume:	250 µl in total
	Type:	Direct heating system
	Temperature:	37.0 degrees Celsius (+/- 0.2)
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 rack
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

CA-800

MODEL

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

- ▶ 10 fully independent reagent racks make reagent loading hassle-free

8 User Interface

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



Dimensions



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