

laboratory needs

Sample Clot Detection(optional)

Three sensitivity levels of clot detection system to ensure precise sample pipetting

Automatic Start-up

Ready for use with automatic system preparation

Connectivity

Capable of connecting bidirectionally to LIMS system via ASTM standard

Automatic Cuvette Check

Thorough automatic check before testing

Automatic Rerun

Automatic rerun function enabling true "walk-away" system

Cuvette

Minimum reaction volume of 150 µl

Reagent Tray

Unique reagent tray system for easy reagent loading

Wash Unit

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

Flexible

Efficient

Compact

Clinical Chemistry Analyzer

MODEL

CA-400

Specifications

Clinical Chemistry Analyzer CA-400

Type	Desktop 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	400 tests per hour (Up to 560 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
	Capacity:	Up to 72 samples (handling of STAT available)
	QC sample and Calibrator:	20 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:	2.0 to 35.0 µl (increment by 0.1 µl)
Reagent system	Type:	Removable tray with reagent bottle holder on a turntable
	Capacity:	60 reagent positions on a tray (30 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 350 µl (increment by 1 µl)
	R2 Volume:	20 to 250 µl (increment by 1 µl)
Cuvette system	Number of cuvettes:	90 cuvettes on reaction line
	Type:	Glass cuvette with onboard washing system
	Material:	Glass
	Volume for measurement:	Minimum 150 µl
	Maximum volume:	450 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, 510 nm, 546 nm, 570 nm, 600 nm, 660 nm, 700 nm, 750 nm, 800 nm (12 wavelengths)
	Light source:	Halogen tungsten lamp
Stirring system	Type:	Stick type rotating stirrer
Dimensions	970 mm (W) x 690 mm (D) x 580 mm (H) (Analyzer only)	
Option	ISE module, external tank sensor, clot detection sensor	
Notes	Specifications subject to change without notice.	

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FURUNO ELECTRIC CO., LTD.

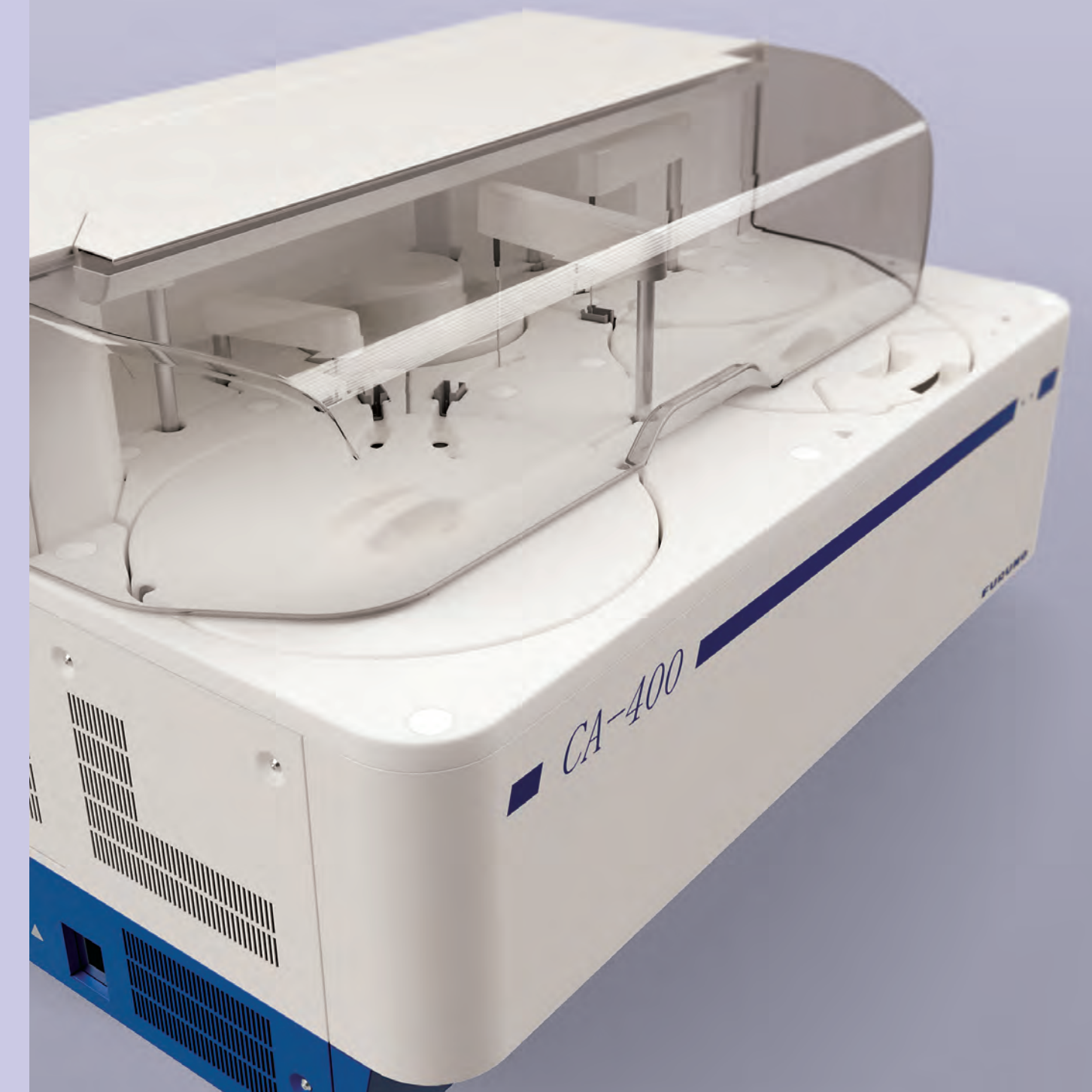
SYSTEM PRODUCTS DIVISION
2-20, Nishinomiya, Nishinomiya, Hyogo, 662-0934, Japan
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Catalogue No. CA00002652

Clinical Chemistry Analyzer

MODEL

CA-400



The answer to your laboratory needs

Comprehensive solution to high complex demand

1 Highly-Stable Refrigerated Reagent Tray

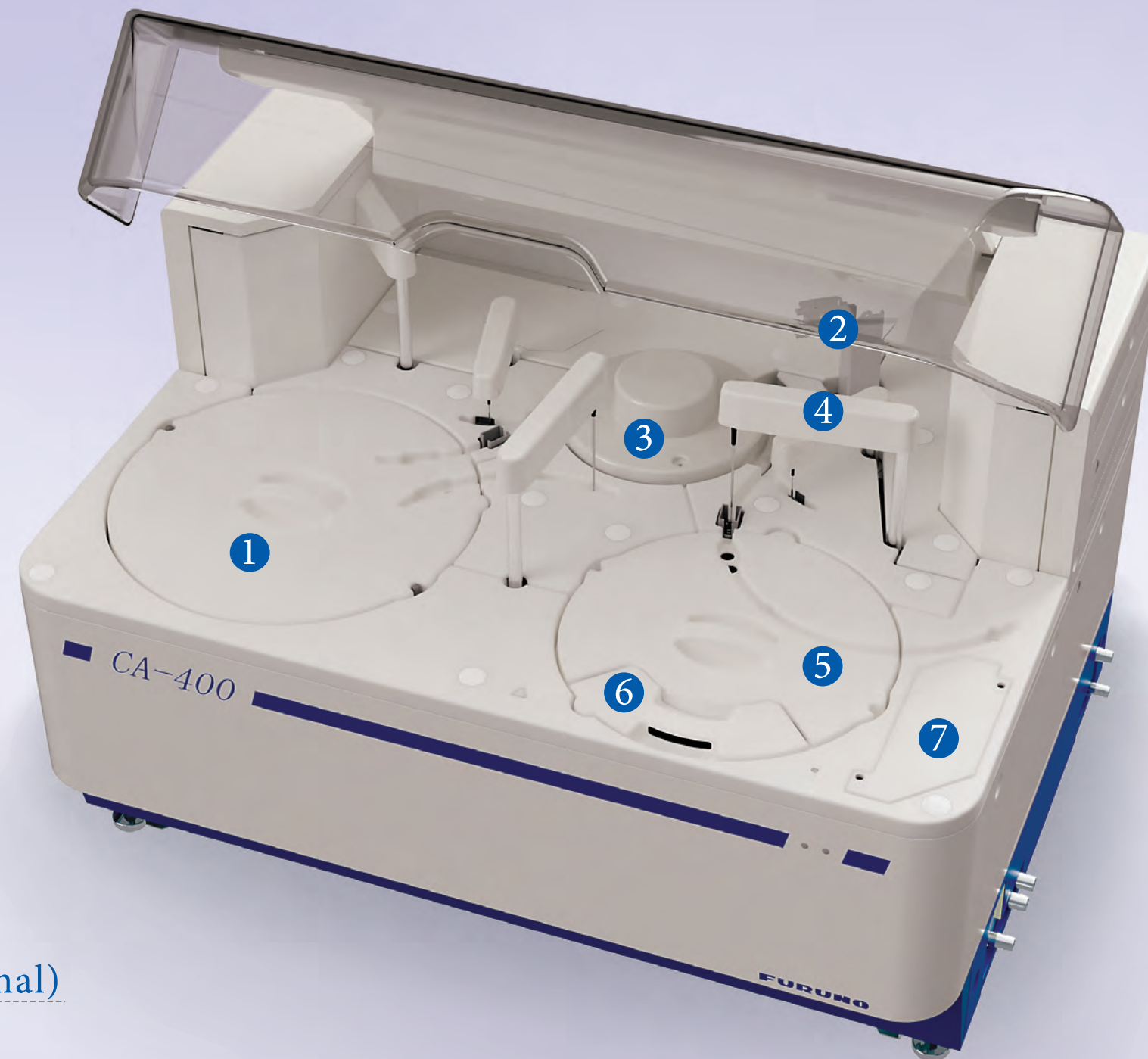
- ▶ Removable carousel for easy loading, 60 cooled positions to enhance reagent stability

2 Automatic Washing System

- ▶ Effective cleaning method minimizing carryover and contamination

3 Low Reaction Volume Cuvette

- ▶ Efficient use of reagent with minimum reaction volume of 150µl



7 Integrated ISE Module (optional)

- ▶ Measurement of Na, K and Cl
- ▶ Throughput of 240 tests/hour

4 High Precision Sample Pipetting System

- ▶ Low sample volume of just 2.0 µl (minimum)
- ▶ Capable of processing various sample types
- ▶ Liquid level and crash detection
- ▶ High precision adjustable sample clot detection (optional)

5 Multi-Functional Sample Tray

- ▶ Capable of holding primary tubes, sample cups and pediatric cups

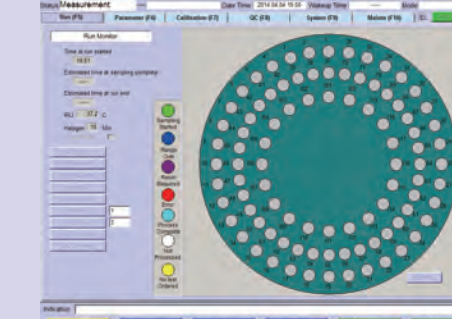
6 STAT Sampling

- ▶ Dedicated loading port available for quick process of emergency samples

User Friendly Interface

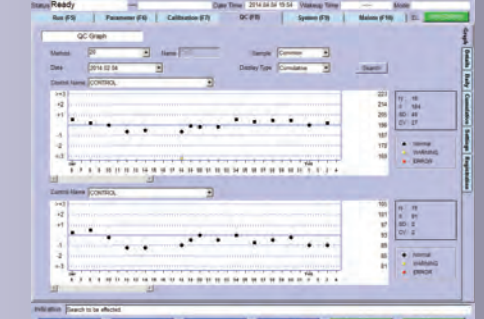
- ▶ Intuitive GUI provides fast and simple operation for any level of operator
- ▶ Key features
 - High operability with easy-to-understand layout
 - Effective use of informative graphics and charts
 - Comprehensive assessment of analyzer condition

Run-Monitor



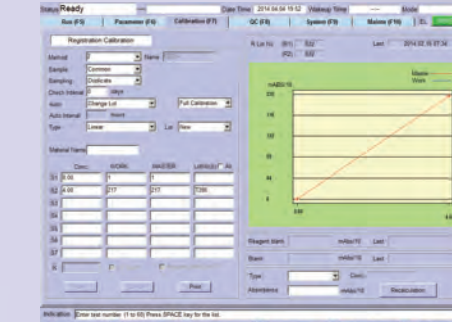
Visually shows sample status.

Quality Control(QC)



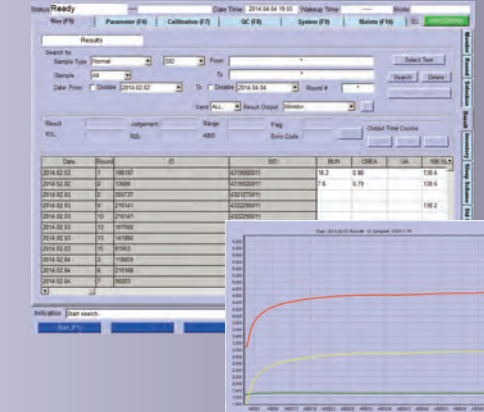
Displays QC results in various formats.

Calibration



Manages calibration settings and calibration curves on one screen.

Results



Results can be displayed, printed out, or saved as electronic files.

Dimensions

