modern laboratory

Flexible

Efficient

Compact

Sample Clot Detection

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

Automatic Start-up

Analyzer will be always ready for use by running system preparation automatically.

Connectivity

Capable of connecting bidirectionally to LIMS system via ASTM standard.

Automatic Cuvette Check

Cuvettes are thoroughly checked before test to ensure accurate results.

Editable Print Format

Print layout of test reports can be arranged to fit your needs.

Automatic Test Registration

Automatic registration of routine calibrators and controls at designated time.

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.

Automatic HbA1c Measurement (optional)

Easy and accurate HbA1c measurement by onboard hemolysis and hemocyte sample aspiration.

Clinical Chemistry Analyzer

MODEL CA-270

Specifications

Clinical Chemistry Analyzer CA-270

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		270 tests per hour (Up to 450 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 40 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:	1.5 to 35.0 µl (increment by 0.1 µl)
Reagent system	Type:	Removable tray with reagent bottle holder on a turntable
	Capacity:	50 reagent positions on a tray (25 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	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:	20 to 180 µl (increment by 1 µl)
Cuvette system	Number of cuvettes:	72 cuvettes on reaction line
	Type:	Semi-disposable cuvette with onboard washing system
	Material:	Resin or glass
	Volume for measurement:	Minimum 100 µl
	Maximum volume:	350 µl in total
Reaction system	Type:	Direct heating system
	Temperature:	37.0 degrees Celsius
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		870 mm (W) x 670 mm (D) x 625 mm (H) (Analyzer only)
Option		ISE module, glass cuvette, external tank sensor, degasser module, onboard sample pretreatment (for HbA1c measurement)
Notes		Specifications subject to change without notice.

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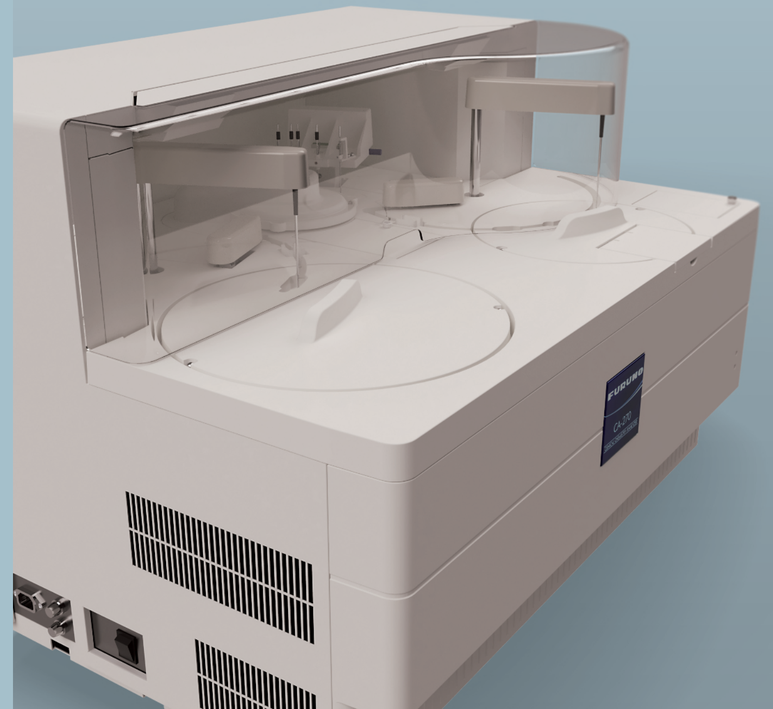
Catalogue No. CA000001474

FURUNO

Clinical Chemistry Analyzer

MODEL CA-270



Best solution for modern laboratory

Comprehensive solution to high complex demand

1 Reagent Tray

- Removable carousel for easy loading, 50 cooled positions to enhance reagent stability.

2 Automatic Washing System

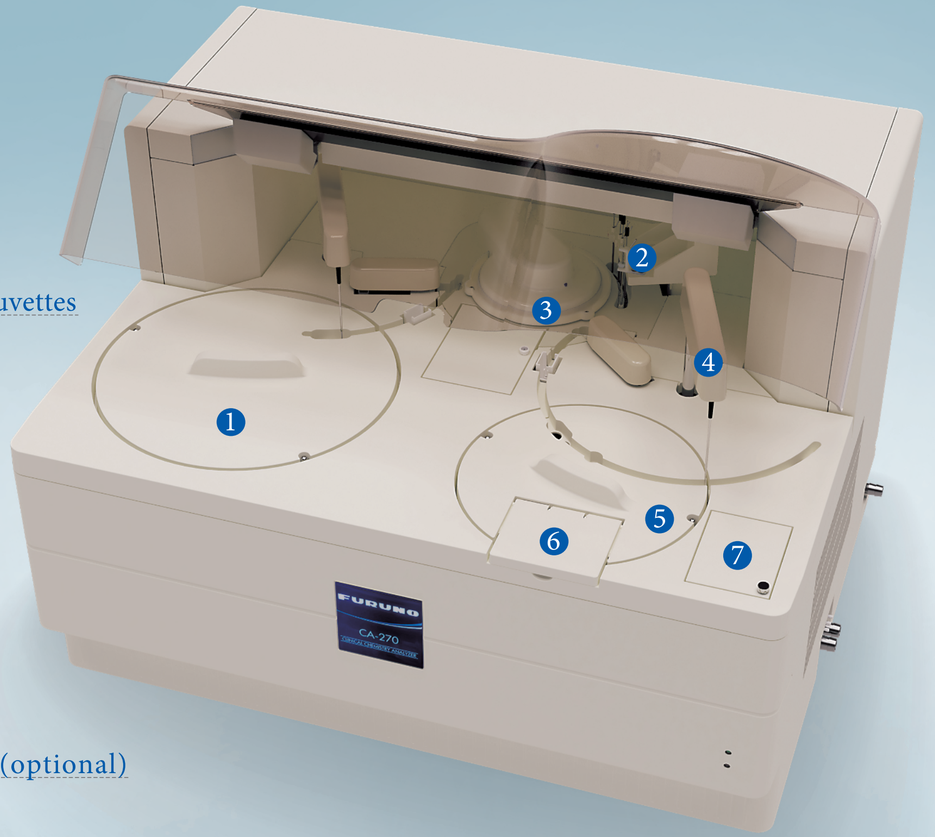
- Effective cleaning method minimizes carry over and contamination.

3 Low Reaction Volume Cuvettes

- Efficient use of reagent with minimum reaction volume of 100 µl.
- Durable and reusable cuvettes.

HbA1c Measurement

- Simple, fast and accurate HbA1c measurement with onboard sample pretreatment.



4 High Precision Sample Pipetting System

- Low sample volume of just 1.5 µl (minimum).
- Capable of processing various sample types.
- Liquid level and clash detection.
- High precision adjustable sample clot detection.

5 Multi-Functional Sample Tray

- 50 positions for samples, calibrators and controls. Capable of holding primary tubes,sample cups and pediatric cups.

6 STAT Sampling

- Dedicated loading port enables quick process of emergency samples.

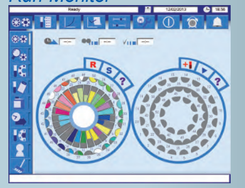
7 Integrated ISE Module (optional)

- Measurement of Na, K and Cl.
- Throughput of 180 tests/hour.

User Friendly Interface

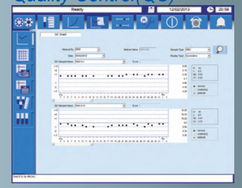
- Intuitive GUI provides fast and simple operation for any level of operator.
- Key features
  - High operability with easy-to-understand layout
  - Effective use of informative graphics and charts
  - Comprehensive assessment of analyzer condition

Run-Monitor



Visually shows remaining reagent volume and sample status.

Quality Control(QC)

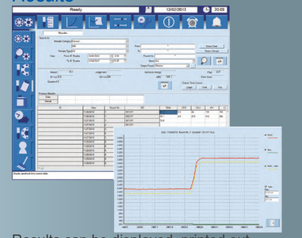


Displays QC results in various formats.

Calibration

Manages calibration settings and calibration curves on one screen.

Results



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

Dimensions