

MANUFACTURE STANDARD, MANUFACTURE RELIANCE

RAC 050

Auto Coagulation Analyzer

NEW



Features

- Random Access, smart and compact
- Clotting, Chromogenic, Immunologic measuring methods
- User friendly touchscreen interface, simple & easy to operate
- High throughput routine assays
- Labor saving, simple programming and real walk-away system
- Reagent open system, close system on request
- Multi-language software(optional)

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Technical Specifications

System Function

- **Throughput:** 60 tests/hour for PT
50 tests/hour for PT and APTT
- **Parameters:** PT, APTT, TT, FIB, AT-III, PLG, D-Dimer, FDP, etc.
- **Measuring methods:**
 - Clotting: Scattered Light Detection method
 - Chromogenic: Colorimetric method, 405nm
 - Immunologic: Turbidimetric method, 575nm
- **Memory:** 100,000 test results and 10,000 reaction curves
- **Quality control:** 12 QC File*10 test items*30 curve*
12 month
- **Calibration:** 6 points*10 items
- **Automatic, Random Access**
- **STAT sample priority**
- **Auto re-diluent/ re-test**
- **Barcode-reading support (optional)**

Sample Tray

- **Sample tray:** 27 positions, user-defined STAT
- **Incubation temperature:** 37±0.5 °C

Reagent Tray

- **Reagent tray:** 23 positions
- **Reagent cooling:** ≤16 °C

Reaction Tray

- **Cuvettes on board :** 72
- **Min reaction volume:** 150µl
- **Reaction temperature:** 37±0.5 °C

Probe

- **With probe pre-heating**
- **Automatic washing both inside and outside**
- **With collision protection, liquid level detection and inventory checking**

Print out

- **Built-in thermal printer, external printer optional**

Measuring and Optic System

- **Light:** LED
- **Power:** AC 110/240V, 50-60±1Hz
- **Temperature:** 10 °C-30 °C, humidity ≤85%
- **Water consumption:** <0.5L/hour
- **Dimension L×W×H (mm) :** 660×580×510
- **Weight:** 53KG



- 7 Detection Channels**
- 5 for clotting assays
 - 1 for chromogenic assays
 - 1 for immunologic assays



- Sample/Reagent Probe with Liquid Level Detection**

Status Menu



Item	Result	Unit	Reference
PT	12.5	s	11.0-14.0
APTT	28.0	s	24.0-34.0
TT	18.0	s	16.0-19.0
FIB	4.5	g/L	2.0-4.0
AT-III	110	%	80-120
PLG	0.5	g/L	0.2-0.6
D-Dimer	0.1	µg/mL	<0.5
FDP	0.2	µg/mL	<0.5



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