

MANUFACTURE STANDARD, MANUFACTURE RELIANCE

# RT-1904C

## Semi-auto Chemistry Analyzer



### Features

- Easy Windows operation system with mouse, large color LCD display.
- Reagent-open system supports both flow cell and cuvette mode, close system on request.
- Analytical modes include kinetic, two point, bichromatic end point with or without reagent blank or sample blank, linear or non-linear calibration curves.
- Real-time curve monitoring enhances the reliability of result.
- Large memory to store 160 test protocols.
- Powerful QC function: Westgard, Levey jennings plot, 2 controls per test.
- Auto power-on self-check feature.
- Additional lamp saving feature.
- Multiform result output including patient comprehensive report.
- Ability to communicate with PC for data management. (optional)
- Easy maintenance design, no service engineers required to change lamp, tube etc.

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### Programming

The programming interface includes a 'Test parameter(Endpoint)' screen with fields for Unit, Temperature, Main wavelength, Sub-wavelength, Blank, Sample vol., Reagent vol., Aspirate vol., Delay time, and Calibration. A 'Reaction curve' graph shows absorbance vs. time with a linear fit line.

### Test list

The test list menu displays a grid of buttons for various tests including ALT, AST, TP, ALB, and others, along with a 'Print' button and a date/time display.

### Calibration

The calibration screen shows a graph of absorbance vs. volume with a curve fit. It includes fields for 'Factor' and 'Blank' and buttons for 'Save' and 'Cancel'.

### Quality control

The quality control screen displays a control chart with data points and control limits. It includes a 'Print' button and a date/time display.

### Patient data management

The patient data management screen shows a table with columns for ID, Name, Sex, Age, and Dept. It includes a 'Report mode' dropdown and buttons for 'Print' and 'Exit'.

Test Report		RT1904C	
General		Print date:28/10/2003	
Sample No: 03	Name: Jack	Sex: Male	Age: 30
Dept: xxx	Patient No: 003	Sender: xxx	
Test	Result	Reference range	
ALT	39.311U/L	0.00-40.00	
AST	110.239U/L	0.00-37.00	
TP	98.225 g/L	46.00-87.00	
ALB	52.055 g/L	38.00-44.00	

### Main Specifications

Photometric Range	-0.500-3.000Abs
Resolution	0.001Abs(displayed), 0.0001Abs(calculated)
Light Source	Halogen lamp, 6V/10W
Wavelengths	340,405,500,546,578,620,670nm, 1 more filter optional
Wavelength Accuracy	± 1nm
Band Width	8nm
Aspirate Volume	100-3000ul
Cross Contamination Rate	<0.1%
Memory	160 test protocols, minimum 1000 test result
Interface	RS-232,LAN Connector
Flow Cell	25 µlMetal-quartz flow cell
Cuvette Mode	12.5mmx12.5mm cuvette(optional)
Temperature Control	25°C, 30°C, 37°C, ±0.1°C
Display	6.5" Color LCD
Input	Mouse and optional external keyboard
Output	Built-in printer or external printer (optional), SD Card
Net Weight	8KG
Dimensions L×W×H (mm)	460 x 330 x 140
Power Supply	AC 110V-220V±10%, 50-60Hz