

MANUFACTURE STANDARD, MANUFACTURE RELIANCE

RT-2100C

Microplate Reader



Features

- Fully automatic.
- Easy Windows operation system with touch screen or mouse, large LCD display.
- 8-channel optical fiber system enables 5 secs' reading for the whole plate.
- Bichromatic measurement, calculation modes include ABS, Cut-off, Curve, linear, log and exponent regression.
- Random positive control and negative control' setting.
- Multi-assay feature enables up to 12 different assays on one plate.
- Large memory to store up to 100 test protocols and 10000 results.
- Powerful QC function: Grubs, Westguard rules, Levey jennings plot. (optional)
- Plate shaking feature.
- 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.

RT-2100C

Microplate Reader

Main Menu

Calibration

1.100 (A)

0.550

0.000 0.000 1.500 (g/l) 3.000

Program: Demo

Calculation mode: Reg

Print Cancel

Plate setting

Sample Blank INC PC STD QC CLR

	1	2	3	4	5	6	7	8	9	10	11	12
A	001	002	003									
B												
C												
D												
E												
F												
G												
H												

Program: ABS Calculation: Absorbance

New Select all Clear all Start Cancel

Programming

Program: HbsAg

Full name: Antigen

Reagent:

First wavelength: 450

Second wavelength: None

Calibration mode: Absorbance

Double sample

Blanks: 0.050

>> Cancel

Patient data setting

Input patient information

Date: 2003-06-09 Sample NO.: 001

Name: Susan Age: 25

Sex: Male Female Unknown

Dept: xxx Operator: xxx

Bed ID: 006 Sender: xxx

ID: 008

Ok Cancel

Report

Name: Susan Sex: Female Age: 25 Dept: xxx
 Date: 20/10/2003 Sample: 05 Bed No: 006 Sender: xxx

Program	Full name	Result	Unit	Diagnosis	Reference range
HIV		0.163	s/co-	Neg-	(0.000-1.000)
HbsAg		0.283	s/co-	Neg-	(0.000-1.000)
HbsAb		0.634	s/co-	Neg-	(0.000-1.000)
T3		3.374			

Operator: Checker:

Main Specifications

Photometric Range	0.000-4.000Abs
Resolution	0.001Abs(displayed), 0.0001Abs(calculated)
Light Source	Halogen lamp, 8V/50W
Wavelengths	405,450,492,630nm, 4 more filters optional
Wavelength Accuracy	± 1nm
Band Width	8nm
Calculation Method	ABS, %ABS, cut-off, linear, point to point, log, exponent, power regression
Accuracy	± 1% or ± 0.005A
Reading Speed	5 secs for 96 well plate (Single wavelength)
Shaking Plate	Shaking time and speed adjustable
Memory	100 tests, up to 10000 test results
Interface	RS-232, PSTN (optional)
Display	6" LCD
Input	Touch panel or mouse
Output	External printer(optional)
Net Weight	8KG
Dimensions L×W×H (mm)	460 x 330 x 200
Power Supply	AC 110V-220V± 10%, 50-60Hz

