



MANUFACTURE STANDARD, MANUFACTURE RELIANCE

RT-2100C

Microplate Reader



Features

- Easy Windows operation software, 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
- Large memory to store at least 100 test protocols and 10000 sample results
- Auto self-check when power on
- With lamp sleeping and wake-up function
- Random positive control and negative control setting
- Multi-assay feature enables up to 12 different assays on one plate
- Powerful QC function: Grubs, Westguard rules, Levey Jennings plot (optional)
- Multiform result output including patient comprehensive report
- Easy software upgrade by SD card, support USB mouse and keyboard
- Ability to communicate with PC for data management (optional)



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Main Menu

Calibration

1.100 (A)
0.550
0.000

0.000 1.500 3.000 (g/l)

Program: Demo
Calculation mode: Reg

Print Cancel

Plate setting

Sample Blank N/C 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 Blank: 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:

Technical Specifications

Photometric Range	0.000-4.000Abs
Resolution	0.001Abs(displayed), 0.0001Abs(calculated)
Light Source	Halogen lamp
Wavelengths	405,450,492,630nm, 4 more filters optional
Wavelength Accuracy	± 1nm
Band Width	< 8nm
Calculation Mode	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, USB, SD card interface
Display	6" LCD
Input	Touch screen, mouse or external keyboard
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