

MANUFACTURE STANDARD,MANUFACTURE RELIANCE

2100C

Microplate Reader



Features

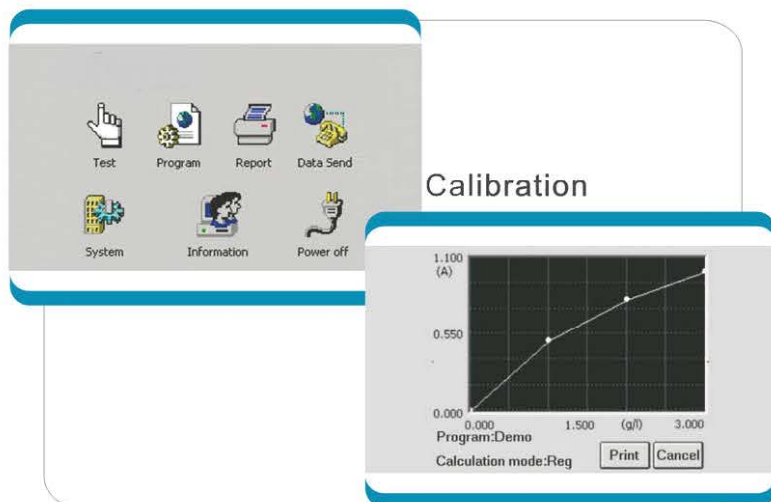
- Easy Windows operation software, with touch screen or mouse, Large LCD display
- 8-channel optical fiber system enables 5 secs' reading for the whole plate
- Bichromatic measurement, calculation modes include Absorbance, Cut-off, Curve, Linear regression Index regression, Logarithm regression, Exponent regression, Power Regression, etc
- Large memory storage up to 100 programs, 1000 patients data, 10000 sample records
- 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: Immediate, Elisa including 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)



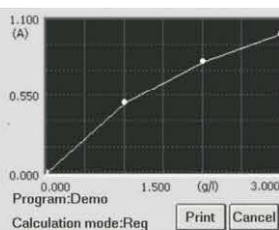
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Microplate Reader

Main Menu



Calibration



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

Read-out Range	0-3.500Abs
Resolution	0.001Abs(displayed), 0.0001Abs(calculated)
Light Source	Halogen lamp
Wavelengths	405,450,492,630nm, 4 more filters optional
Wavelength Accuracy	± 2.0nm
Band Width	< 10nm
Calculation Mode	ABS, Cut-off, Curve, Linear regression Index regression, Logarithm regression, Exponent regression, etc
Accuracy	± 0.03A (0-2.000Abs)
Reading Speed	5 secs for 96 well plate (Single wavelength)
Shaking Plate	Shaking time and speed adjustable
Memory	100 programs, 1000 patients data and 10000 sample records
Interface	RS-232, USB, SD card interface
Display	Large LCD
Input	Touch screen, mouse or external keyboard
Output	External printer(optional)
Net Weight	8KG
Dimensions L×W×H (mm)	460 × 330 × 190
Power Requirement	AC 110V-220V, 50/60Hz

Plate setting

The Plate setting screen shows a 96-well plate layout with columns 1-12 and rows A-H. The first row (A) has values 0.01, 0.02, 0.03 in columns 1, 2, and 3. The program is set to 'ABS' and the calculation is 'Absorbance'. Buttons for 'New', 'Select all', 'Clear all', 'Start', and 'Cancel' are at the bottom.

Programming

The Programming screen allows setting parameters for a program. The program is 'HbsAg' and the full name is 'Antigen'. The reagent is set to 'None'. The first wavelength is '450' and the second wavelength is 'None'. The calibration mode is 'Absorbance'. There is a checkbox for 'Double sample' and a field for 'Blanks' set to '0.050'. Buttons for '>>' and 'Cancel' are at the bottom.

Patient data setting

The Patient data setting screen is titled 'Input patient information'. It shows the date as '2003-06-09' and sample number as '001'. The patient name is 'Susan' and age is '25'. The sex is 'Female' (selected). The department is 'xxx' and the operator is 'xxx'. The bed ID is '006' and the sender is 'xxx'. The ID is '008'. Buttons for 'Ok' and 'Cancel' are at the bottom.