RT-6000 Microplate Reader

Features

➢ 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 including ABS, Cut-off, Curve, Linear, Log and Exponential regression
➢ Large memory, up to 100 test protocols and 10,000 can be stored
➢ Auto self-check when power on
➢ With lamp sleeping and wake-up function
➢ Random positive and negative control setting
➢ Multi-assay enables up to 12 different assays on one plate
➢ Plate shaking function
➢ Internal printer (external printer optional)
➢ Powerful QC function: Grubs, Westguard Multi-rule, Levey jennings plot (optional)
➢ Easy software upgrade by SD card, support USB mouse and keyboard
➢ Multiform result output including patient comprehensive report
➢ Ability to communicate with PC for data management(optional)

Technical Specifications

Absorbance Range
0.000-4.000Abs

Resolution
0.001Abs (display), 0.0001Abs (calculation)

Accuracy
±0.1% or ±0.005Abs

Type of Microplate
Standard with 96-well or other kind of microplate and strip

Wavelength
405, 450, 492, 630nm, 4 more filters optional (from 400-700nm available on special order)

Wavelength Accuracy
± 1nm

Measurement range
0.000-2.500Abs

Optic System
8-channel optic fiber system

Light Source
Halogen lamp

Band width
<8nm

Calculation Method
ABS, %ABS, Cut-Off, Single Standard, Curve, Multi-Percent, Percent Log, Linear, Exponential, Power, 4PL Regression

Reading Speed
5 seconds for 96 well plate (single wavelength)

Shaking Plate
Shaking time and speed adjustable

Operation
PC operation, bidirectional communications

Memory
More than 100 programs, up to 100,000 test results

Interface
RS-232, USB, SD card interface

Display

6" LCD (with touch screen function)

Input

Touch panel or mouse

Output

Internal printer; External printer (optional)

Power supply

AC 110V - 220V ± 10%, 50-60Hz

Net Weight

9KG

Dimensions L × W × H (mm)

460×330×200