NeoBiotech

PC software for NeoReader

#Cat: NB-12-0048   Size: 1Unit
#Cat: NB-12-0048-01   Size: 1/pc
#Cat: NB-12-0048-02   Size: 1Roll
#Cat: NB-12-0048-03   Size: 1/pc

NeoReader microplate reader is a high-quality microplate reader based on a monochromator with a wavelength range of 200-1000 nm. It can be used for spectral scanning, endpoint method and kinetic detection. Suitable for 96-well plates and 384-well plates with and without lids. NeoReader can be shaken and cultured in microplates, and the culture temperature is up to 45 °C.

It can be operated independently through the built-in software of the instrument, and also can be operated by the ReaderIt-II software.

Features

- 10 inch touch screen, and offers stand-alone operation, it is easy to use
  Intuitive, user-friendly internal software on a 10 inch touch screen for quick measurements.
- Easy and logical assays setup for demanding assays with the powerful PC software (ReaderIt-II), the PC software can offer to analysis, review, validate data. It is easy access to data via USB interface and WIFI
- Freely selectable wavelengths from 200 - 1000 nm for the demands of various assays
  Wavelength selection in Microplate Reader NeoReader is done by using an advanced monochromator system. Any wavelength between 200 to 1000nm can be selected at any time. Using the spectral scanning feature, the whole spectrum of a sample be scanned in 1nm increments to allow identification of the optimal measurement wavelength for a new assay.
- Long life xenon lamp which can be used 10^9 times
- Both microplate reading for any throughput requirements. It measures 96-and 384-well plates
- Flexibility and performance for various photometric applications. Microplate Reader NeoReader microplate reader supports endpoint, kinetic and spectral scanning assays.
- It reads 96- and 384-well microplates with and without lids.
- A broad wavelength range with the UV area, pathlength correction as well as fast spectral scanning makes it an ideal tool for any photometric research application, including DNA, RNA and protein analysis

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Powerful and Flexible Software

- User Authority Classification

  Adminstrator can manage the accounts of different sub-users, multiple passwords secured users are possible Only personal experiment contents is left in the sub-account
  No password is required for guest account

- Powerful Data Analysis and Process

  Provides multiple data processing methods including blank substraction, standard curve creation, qualtity analysis, quality control, kinetics and spectral analysis to help you obtain the analysis results you want.

- Standard Curve Library

  The instrumentis equipped with a standard curve library. The standard curve established in the first experiment can be stored in the standard curve library, which is convenient for direct being ssued in the next experiment. No need to build a standard curve everytime, more convnient and faster

- FTP (File transfer Protocol)

  Upload instrument data directly to a computer with an FTP server and userss can view the data results at any time in the authorized folder

- Multiple Report Export Types

  The instrument comes with four data file export modes : Excel, TXT, CSV and PDF

TECHNICAL SPECIFICATIONS

Model	NeoReader
Display	10 inch touch screen
Light source	Xenon lamp
Wavelength range	200 - 1000 nm with 1 nm steps
Wavelength accuracy	2 nm
Tepetition	0.2 nm
Wavelength selection	Monochromator
Read-out range	0 - 4.0
OD Half-bandwidth of filters	<2.5 nm
Detector	Two silicon photoelectric detector, one for measurement, another for reference
Linearity @450 nm	$R^2 \geq 0.999,[0.0\text{-}3.0\text{Abs}]$
Accuracy @450 nm	±(1.0 %+0.003Abs),(0~2.0 Abs]; ±2.0 %,(2.0~2.5Abs]
Precision @450 nm	CV <0.5 % or SD<0.003 accurate model; CV <1.0 % fast mode
Test speed	8 seconds with 96-well plate (fast mode); 28 seconds with 96-well plate (accurate model)
Plate shaking	Linear; three options for speed
Incubator	RT +4°C-4°C
UI	Integrated software or PC control software
Analysis software	ReaderIt-II
User interface	Touch screen, android system, 10 inch touch screen, external keyboard & mouse Storage
mouse Storage	16G, more than 20,000 test records
Port	2 USB A type ports, 1 USB B type port, 1 Ethernet
port Automated system	Temporarily incompatible with automated

systems Power supply   DC24 V, 6.67 A
Dimension (W×D×H) mm   300×500×260
mm Weight   15.5 kg

Ordering Information

Code	Description
NB-12-0048	Microplate Reader NeoReader Microplate Reader
NB-12-0048-03	PC software for NeoReader
NB-12-0048-01	Printer
NB-12-0048-02	Printer Paper