Microplate Reader

#Cat: NB-12-0035B

#Cat: NB-12-0035

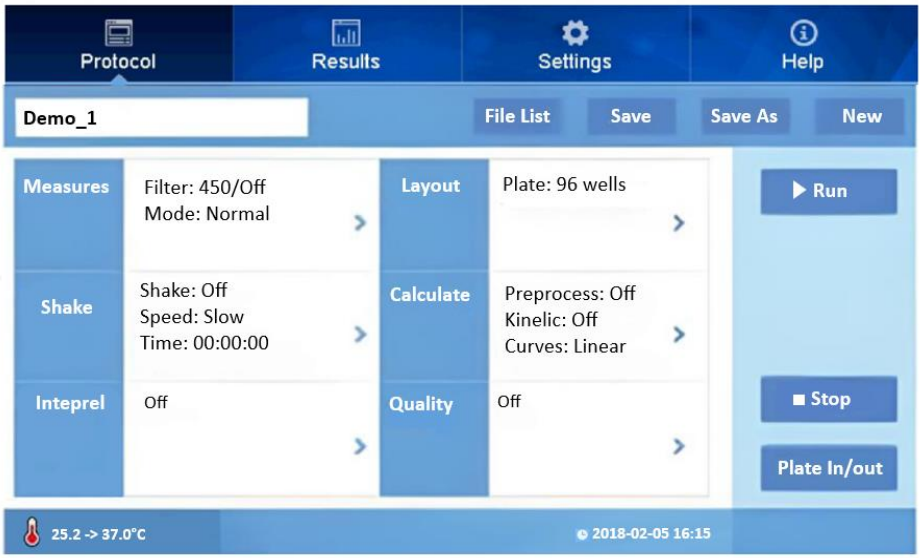
Product Introduction

NB-12-0035 / NB-12-0035B is a high-quality light absorption microplate reader based on a filter, with a wavelength range of 340 nm~750 nm, suitable for scientific research and clinical applications. 7-inch touch screen color LCD display, no keyboard required, easy to use.

NB-12-0035B has additional incubation function, with temperature range is from RT. +4 °C to 50 °C

Features

1- High-resolution 7-inch color touch screen, easy to operate, no keyboard required, easy to use
2- Multiple software configuration, which can be used as a single machine or connected with a computer, and the results are exported in real time
3- Absorbance range: 0.0~4.000 Abs, meeting different measurement requirements
4- 8-position filter wheel, standard 4 filters, optional other filters
5- The built-in software can provide instrument control and data analysis, and can be directly connected to a U disk
6- The detection speed is fast, and the whole 96-well microplate detection can be completed within 6 seconds



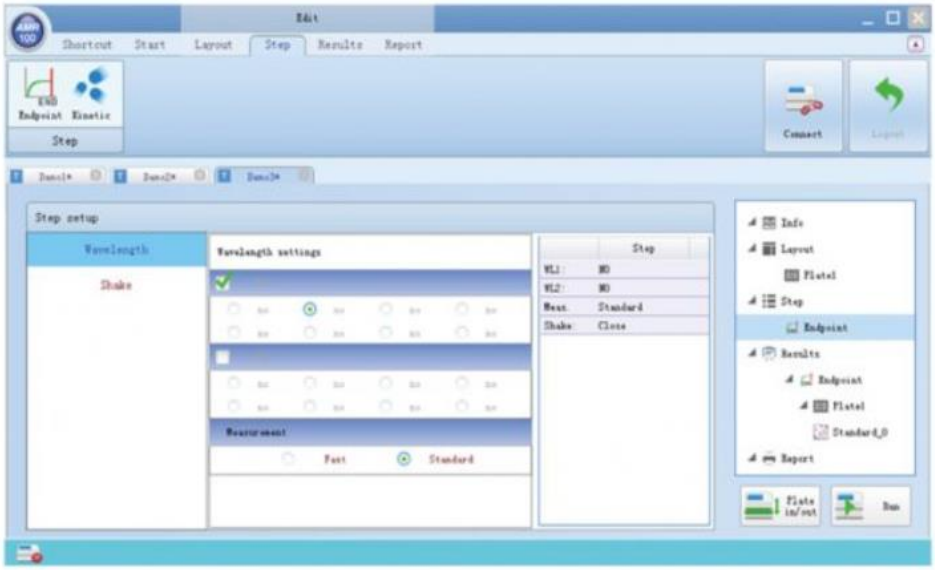
NB-12-0035B Operation Interface

17/12/2024

Neo Biotech
74 rue des Suisses – 92000 Nanterre

NB-12-0035/ NB-12-0035B Unique Advantages

1- High-resolution 7-inch touch screen, simple and intuitive operation, no keyboard required
2- Visual layout, convenient and practical
3- The microplate reader is equipped with the standard control and data analysis software ReaderIt-I, which is convenient and quick for data detection
4- Powerful data analysis function and excellent result report, not only can run the analysis independently, but also run the analysis on the computer



ReaderIt-I Software Interface

Specification

Model	NB-12-0035	NB-12-0035B
Display	7 inch high resolution capacitive touch screen	
Light source	6 V, 10 W halogen lamp	
Wavelength range	340 nm ~ 750 nm	
Optical filter	8-position filter wheel, standard 4 filters: 405 nm, 450 nm, 492 nm, 630 nm	
Absorbance range	0-4.0 Abs	
Resolution	0.001 Abs	
Linear range	R^2 ≥0.995 absorbance range 0~3.0 Abs	R^2 ≥0.995 [0,3 Abs]
Wavelength accuracy	≤±2 nm	
Absorbance repeatability	CV≤0.3 % [0,3 Abs); CV≤1 % [3,4 Abs)	
Absorbance stability	≤0.005 Abs [0,3 Abs) ≤2.0 % [3,4 Abs)	≤±0.005 Abs [0,2 Abs) ≤0.3 % [2,3 Abs) ≤2.0 % [3,4 Abs)
Absorbance accuracy	≤±0.005 Abs [0,2 Abs) ≤±0.01 Abs [2,3 Abs) ≤±1.5 % [3,4 Abs)	≤±0.005 Abs [0,2 Abs) ≤±1 % [2,3 Abs) ≤±1.5 % [3,4 Abs)
Sensitivity / detector	≥0.01 A / photodiode	
Measuring speed	6 s / 96-well plate, fast mode; single wavelength	
Incubation temperature range	-	RT. +4 °C ~ 50 °C
Temperature accuracy	-	±0.5 °C @ 37 °C
Temperature uniformity	-	±0.5 °C @ 37 °C
User Interface	Built-in software, touch screen input, external mouse	
Internal storage	Can store 1000 measurement programs and measurement results	
Port	3×USB ports, connecting computer, printer and USB drive	
Power supply	AC 100-240 V, 50-60 Hz, 2 A	
Dimension (W×D×H)	295×440×225 mm	
Net weight	10 kg	11 kg

Ordering Information

Code	Description
NB-12-0035	Microplate reader
NB-12-0035B	Microplate Reader with Incubation function
NB-12-0035-01	Optical filter 340nm
NB-12-0035-02	Optical filter 380nm
NB-12-0035-03	Optical filter 405 nm
NB-12-0035-04	Optical filter 415 nm
NB-12-0035-05	Optical filter 450 nm
NB-12-0035-06	Optical filter 492 nm
NB-12-0035-07	Optical filter 540 nm
NB-12-0035-08	Optical filter 570 nm
NB-12-0035-09	Optical filter 578 nm
NB-12-0035-10	Optical filter 590 nm
NB-12-0035-11	Optical filter 595 nm
NB-12-0035-12	Optical filter 630 nm
NB-12-0035-13	Optical filter 650 nm
NB-12-0035-14	Optical filter 690 nm
NB-12-0035-15	Optical filter 470 nm
NB-12-0035-16	Optical filter 490 nm
NB-12-0035-17	Optical filter 510 nm
NB-12-0035-18	Optical filter 520 nm
NB-12-0035-19	Optical filter 532 nm
NB-12-0035-20	Optical filter 546 nm
NB-12-0035-21	Optical filter 560 nm
NB-12-0035-22	Optical filter 562 nm
NB-12-0035-23	Optical filter 600 nm
NB-12-0035-24	Optical filter 620 nm
NB-12-0035-25	Optical filter 646 nm
NB-12-0035-26	Optical filter 663 nm
NB-12-0048-02	Optical filter 700 nm
NB-12-0035-30	Optical filter 750 nm
NB-12-0035-33	Replacement lamp
NB-12-0035-28	ABS optical performance validation board
NB-12-0035-27	ReaderIt-I analysis software