



Easy operation



Double detection mode



Full spectrum wave



Super quality assurance

Product features:

- Full spectrum wave 185~910 NM
- Innovation of Double Detection Model: Base Model and Ripple Model
- Wifi wireless connection

18-month
warranty



MicroDrop is a full spectrum ultramicro spectrophotometer (185~910nm). The innovative double detection mode of base and sample is suitable for sample detection in a wider concentration range. It is easy to operate, i.e. rub-and-test. It requires expensive consumables, pan-response, detection of DNA, RNA, Protein and so on. It is also suitable for absorbance detection in general substance analysis.

Applications

• UV detection

Detection of Absorption Value of Samples under conventional Ultraviolet Wave

• Nucleic acid detection

Detectable concentration of different types of nucleic acids such as dsDNA, ssDNA and RNA, Degree and its absorbance at 260 and 280 nm

• Probe detection

Detection of the absorbance of fluorescent labeled probes can be used to remove the labeled probes. Samples of probes

• Protein drop detection

The concentration of purified Protein and the absorbance at 280 nm were measured.
Quantitative analysis of BCA, Bradford, Lowry and Pierce 660 nm gills Analysis



• Detection of Bacterial Solution/Suspension Cell Concentration

Detection of OD600 value of bacterial fluid and monitoring of suspension cells

• Nucleic acid detection

Determination of isokinetic experiments on enzyme activity and curve

• Full-wave scanning

185-910nm full-wave scanning, showing absorption curve

• User-defined detection

It can define and set the parameters of detection, such as the maximum absorption peak, and calculate them. Formula, etc.

Less, faster, more, wider, linear and more modes



Sensitivity

The 2048 linear CCD detection unit of the latest generation has more sensitivity and accuracy.



Repeatability

Stepper motor combines the unique dual trajectory precise positioning (DPTL) technology to achieve the optical path accuracy of 0.001 mm and achieve the repeatability of absorbance detection.



Stability

Lifetime xenon lamp, lifting detection base of sliding bearing structure, ensure the stability of detection and the life of instrument.



Intelligent detection

Close the upper arm after sampling, and click on the detection icon of the software industry to perform dynamic detection, which saves the detection time.



Full spectrum wave

The wave range is 185-910 nm. It can detect more kinds of samples and wider range of near infrared wave. It can meet the diverse detection requirements.



Quick and convenient

Strong optical path dynamic adjustment technology, for the measurement of concentration samples also need dilution can be accurately measured, several seconds to complete the detection, the sample base is wiped.

Intimate Design

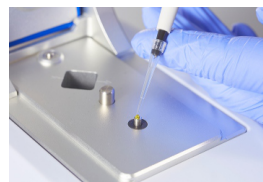
Connecting computer to realize local charge control; WiFi connection function to save time and space

Accessories selection

Equipped with: BIO-DL single-channel micro-pipette (0.1-2.5 μ l), tips, clean fungus paper, USB equipment, installed machine calibration test reagent, etc.

Channel base mode:

A liquid column is formed between two optical fibers, and the optical path can be adjusted dynamically.



Pedestal mode
(Minimum 0.5 μ l sample)

Cuvette mode:

The detection mode with magnetic stirring function, heating function and stirring rate can be set, and the dynamic analysis and detection can be carried out; households define different optical paths of 1, 2, 5 and 10



cuvette mode
(Heating temperature 37 C, speed 150-850 rpm)

Pedestal mode

Wavelength Range	185-910nm
Minimum Sample Size	0.5 μ l
Wavelength Accuracy	1 nm
Spectral Resolution	≤ 1.8 (FWHM at Hg 253.7 nm)
Pathlength	1 mm (auto-ranging to 0.05 mm)
Detection limit	2 ng/ μ l dsDNA
Maximum Concentration	15000 ng/ μ l dsDNA
Absorbance Precision	0.002Abs (1mm)
Absorbance Accuracy	3%(at 0.65Abs at 350 nm)
Absorption range	0.02-300Abs(10mm)
Measurement Time	<5s

Cuvette mode

Beam column	8.5mm above the bottom
Accurate temperature control	37 \pm 0.5 $^{\circ}$ C
Stirring	Mixing speed: 150-850 rpm
Optical path	Four optical paths are available(1, 2, 5 and 10 mm)
Absorption range	0.002-1.5
Detection limit	0.4 ng/ μ l dsDNA
Maximum Concentration	750 ng/ μ l dsDNA
Power Supply	AC110V-220V 50HZ/60HZ
Dimensions	220*135*180mm
Weight	~2.1 kg

Ordering information

Item.No	Item	Model
58601001	Ultra-Micro Spectrophotometer	Micro Drop
Accessories		
58601021	Cuvette	
58601031	Lint-free paper	
72441011	Genex 0.1-2.5 μ l pipette	
72441031	Genex 0.5-10 μ l pipette	