

ultrassay

UltraNano

Micro Spectrophotometer

UltraNano Micro Spectrophotometer with built-in 7-inch color touch screen, can accomplish all detection functions without connecting to a computer. The device comes with an intuitive user interface, and the compact design saves valuable laboratory space.

The device has wide application in molecular biological experiments, such as DNA, RNA, protein detection.



Micro volume samples low to 0.5uL







Wider detection concentration range: 0.2~15000 ng/uL

Bigger detection range covering UV Visible: 200~800 nm

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Features

Large size color touch screen:

Bult-in 7-inch high-resolution color screen for more dtection nformation, all operations can be done on the screen.

Wider detection range:

The 0.05 mm minimum detection path length, combined with a new generation of spectrometers, increaseds the maximum detection concentration to 15,000 ng/uL and the lowest detection concentration as low as 0.2ng/uL dsDNA.



According to different demands, you can choose different models of products, the full wavelength or the fixed wavelength, micro volume or cuvette, to meet the flexible detection needs. The cuvette modult has a heating stirrer function.

Customizable wavelength:

Built-in spectrometer, fixed wavelength model, can be upgraded to any wavelength configuration in the wavelength range according to your needs.

Light status prompt:

The lighting strip around the test stand flashes with different states to show the detection process straightforwardly.

Android operating system:

The machine has built-in operating system and detection software, without need a computer. Graphical touch operation is more in line with user friendly design and improves work efficiency.

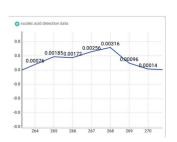
Stable and reliable detection value:

Both low concentration and ultra-high concentration of nucleic acid can be stably and accurately detected.











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Technical Specification

| Model | UltraNano |
|----------------------|---------------------------------------|
| Detector | 2048-element linear silicon CCD array |
| Light Source | Xenon flash lamp |
| Sample Volume | 0.5~2.0µl |
| Path Length | 0.05mm, 0.2mm, 1.0mm |
| Wavelength | 200~800nm; cuvette (OD600): 600±8nm |
| Wavelength Accuracy | 1nm |
| Spectral Resolution | ≤ 3nm (FWHM at Hg 546nm) |
| Sample pedestal | 304 Stainless steel and Quartz fiber |
| Absorbance Range | 0.02~300A; Cuvette (OD600): 0~12A |
| Absorbance Precision | 0.003Abs |
| Absorbance Accuracy | 1% (7.332 Abs at 260nm) |
| Max. Concentration | 2~15000ng/ul (ds DNA) |
| Measurement Time | < 6S |
| Operation System | Android |
| Data Export | USB |
| Power Supply | 110~220V, 50/60Hz |
| Power Consumption | 48W |
| Standby Power | 5W |
| Dimension (W×D×H) | 270×210×196 (mm) |
| Weight | 3.5kg |

Accurate, you can trust!





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