NANOVOLUME SPECTROPHOTOMETER

Code HJF001 - Model Z-6500
Code HJF002 - Model Z-6500C

The Zuzi nanovolume spectrophotometer is an advanced instrument designed for the accurate and rapid quantification of nucleic acids and proteins in extremely small sample volumes (0.3-2 μL).

- Compact, easy-to-use equipment.
- Two models available: the Z-6500, with micro-scale detection mode, and the Z-6500C, which in addition to micro-scale mode also features cuvette mode.
- Micro-scale mode can be used for nucleic acid and protein detection and spectral scanning, while cuvette mode allows for the analysis of cell suspensions, microarray samples and kinetic detection.
- Integrated computer with LINUX system. The instrument software does not require installation.
  8-inch touch screen, compatible with the use of laboratory gloves. The interface is available in 8 languages, including Spanish, English, and French.
- The light source is a long-life xenon lamp. This type of lamp does not require warming up after the equipment is turned on.
- High sensitivity and speed silicon detector.
- Various devices can be connected to the equipment, such as a mouse, keyboard, printer, etc.

Drop Volume 0.3-2.5 µl

Allows analysis with small samples

Practical size

Compact and reduced-size equipment

Efficient results

Provides fast, accurate, and stable detection

Robust and precise structure

Detection base made of stainless steel with a central quartz point

Main applications

Quantification of nucleic acids and proteins

Colorimetric assays

UV/VIS spectral scanning

NANOVOLUME SPECTROPHOTOMETER

Code HJF001 - Model Z-6500
Code HJF002 - Model Z-6500C

Code	HJF001	HJF002
Model	Z-6500	Z-6500C
Detection mode	Micro scale	Micro scale/Cuvette
Sample volume	Microscale: 0.3–2 μL Cuvette: ≥1000 μL (10 mm optical path)	
Wavelength range	190–910 nm	
Wavelength accuracy	± 1 nm	
Wavelength resolution	2 nm (FWHM at Hg 254 nm)	
Absorbance accuracy	0.002 Abs	
Photometric accuracy	1% (0.988 Abs at 257nm)	
Photometric range (optical path 10 mm)	Micro scale: 0-800 Abs Cuvette: 0-16 Abs	
Detectable concentration range	Micro scale: 2-40000 ng/μL (dsDNA); 0.06-1194 mg/mL (BSA) Cuvette (10 mm): 0.2-80 ng/μL (dsDNA); 0.006-2.38 mg/mL (BSA)	
Optical path	Microscale: 1 mm, 0.2 mm, 0.1 mm, 0.03 mm, 0.02 mm (automatic adjustment, depending on the concentration of the sample measured) Cuvette: 1 mm, 2 mm, 5 mm, 10 mm	
Detection cycle	≤ 3 seconds	
Light source	Long-life xenon flash lamp (109 flashes)	
Detector	3864-element silicon CCD linear array	
Output interfaces	2 x USB-A, 1 x Type-C port, 1 x HDMI, 1 x Ethernet	
Power supply	100-240 VCA, 50/60 Hz	
Power	60W	
Dimensions	300x210x130 mm	
Weight	5 kg	