



QB-600

Biophotometer (Micro Spectrophotometer)

Features & Functions

- Smart and compact design, light and easy to move.
- 7 inches LCD color touch screen, stand-alone system no need PC.
- User-friendly operating system, module UI design, simple and clear.
- Long-life Xenon lamp, no warm-up time.
- Storage by USB, simple to retrieve test data.
- Multi-functions: Nucleic acid , Protein, Kinetics, spectrum scanning, end-point and OD600 measurement.
- No need to dilute sample, 1uL to 2uL is enough.
- High resolution CCD detector, fast measurement (5 seconds), high repeatability and accuracy.
- Available to upgrade software by USB, low maintenance cost.
- Two USB ports for data output and outer tools like mouse and keyboard.

Technical Specifications

| Generation Specification | |
|--------------------------|-------------------|
| Light Source | Xenon Lamp |
| Detector | CCD (2048 Pixels) |
| Wavelength Range | 190-1100nm |
| Wavelength Accuracy | ±1nm |
| Spectral Resolution | 0.3nm |
| Dimension | 220*280*220mm |
| Weight | 3kg |
| Power Supply | 100-240V, 50-60Hz |
| Power Consumption | 80-100W |

| Nano Volume Specification | |
|---------------------------|----------------------------|
| Absorbance Precision | 1%@100ng/μl |
| Absorbance Range | 0-200Abs (10nm equivalent) |
| Detection Limit | 2ng/μl (dsDNA) |
| Max. Concentration | 15000ng/μl (dsDNA) |
| Measurement Time | 5s |
| Min. Sample Volume | 1μl |
| Path Length | 0.01-1.2mm (auto-ranging) |

| Cuvette Specification | |
|-----------------------|--------------|
| Beam Height | 8.5mm |
| Absorbance Range | 0.002-2.0Abs |
| Measurement Time | 3s |
| Path Length | 10mm |



Software Interface



Main interface



Kinetic test



Spectral scan



Nucleic acid amplification testing



Protein test



Show peaks

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