



## NANO SPECTROPHOTOMETER BEY1Q1

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## BIOPHOTOMETER



- Fast test for DNA/RNA and protein.
- High-quality flash Xenon lamp, longer service life.
- No need for warming-up, no need for calibration.
- CCD detector, fast test in 2 to 5s.
- 7.0 inches HD touch screen, stand-alone system, user-friendly UI.
- Wide measurement range, no need for dilution.
- Less sample consumption, no more than 2 $\mu$ L for each test usually .
- Developed on Linux, the system is much safer, reliable and independent.
- Large data storage
- Suitable for testing of ssDNA, dsDNA, fluorochrome, protein and OD600, etc.

## SPECIFICATIONS

Model	BEY1Q1
Sample Volume	1.0-2.0 $\mu$ L
Measurement Time	2-5 s
Optical Path Length	0.25 mm
Detector	CCD (3648 Pixels)
Wavelength Accuracy	1 nm
Wavelength Repeatability	$\leq 0.2$ nm
Absorbance Precision	0.002 Abs (equivalent to 1 mm optical path length)
Min. Detection Limit	2 ng/ $\mu$ L (dsDNA)
Max. Detection Limit	5,000 ng/ $\mu$ L (dsDNA)
Absorbance Range	0.02-100 A (equivalent to 10 mm optical path length)
Operating System	Linux
Display	7 inches HD Touch Screen (1024 X 600)
Alt Name	Biophotometer

## FEATURES

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**Protein A280**

ID:  Sample:  Type:  Baseline Correction: ☒  340 Limit (mg/ml):  0.000

Parameter A280: 0.000  
A280: 0.000  
A280/A280: 0.00

Blank Measure Save Clear Options Back

**Protein A280**

ID:  Sample:  Type:  Baseline Correction: ☒  340 Limit (mg/ml):  0.000

Parameter A280: 0.000  
A280: 0.000  
A280/A280: 0.00

Blank Measure Save Clear Options Back

**Wavelength Scan**

Blank:  Wavelength (nm):  220  
Sample scan:  Wavelength (nm):  10  
Spect. Wavelength:  Wavelength (nm):  1000  
Polarization:  Wavelength (nm):  0  
Sensitivity:  Wavelength (nm):  0

Blank Measure Save Clear Options Back

**Protein A280**

ID:  Sample:  Mode:  Baseline Correction: ☒  750 Wavelength:  500

Parameter A280: 0.000  
A280: 0.000  
A280/A280: 0.00

Blank Measure Save Clear Options Back

**Protein A280**

Mode:  Wavelength (nm):  500  
Test (nm):  30  
Interval (s):  2  
Delay (s):  2

Blank Measure Save Clear Options Back



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