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# EzDrop 1000

Micro-Volume Spectrophotometer

MORE THAN JUST SPEED



# More than just Speed

EzDrop 1000 Micro-Volume Spectrophotometer accelerates your research efficiency. It can complete the measurement of a sample concentration speedily in 3 seconds. EzDrop 1000 provides dynamic full-spectrum 190-1000 nm detection, while the sample window is equipped with Nano hydrophobic coating, ensuring highly accurate results.

Coming with an intuitive operation screen, EzDrop 1000 makes each step fast and simple, helping you complete the measurement effortlessly.

## Unparalleled Performance



Fast measurement in 3 seconds.



The CV value of absorbance is < 1%.

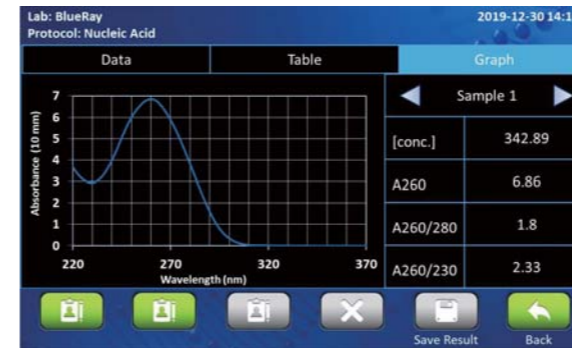


## Comprehensive Operation Experience



Intuitive Graphic Interface

- > The built-in intuitive graphic interface is easy to use, and can be operated without extra computing equipment, saving space in the laboratory.



Nucleic Acid Quantitation

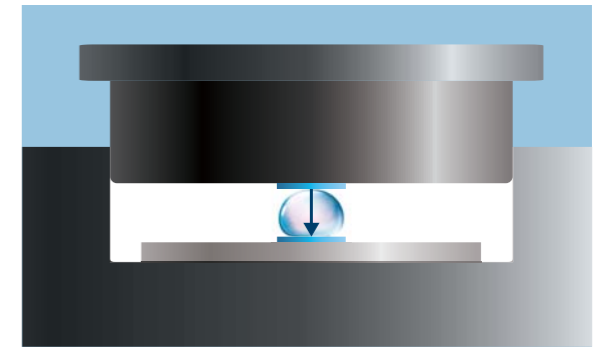
- > Multiple built-in functions allow you to measure nucleic acids, proteins, cells and other samples with the touch of a button.
- > The automated measuring function raises the speed and convenience of operation.



LED Assist Light

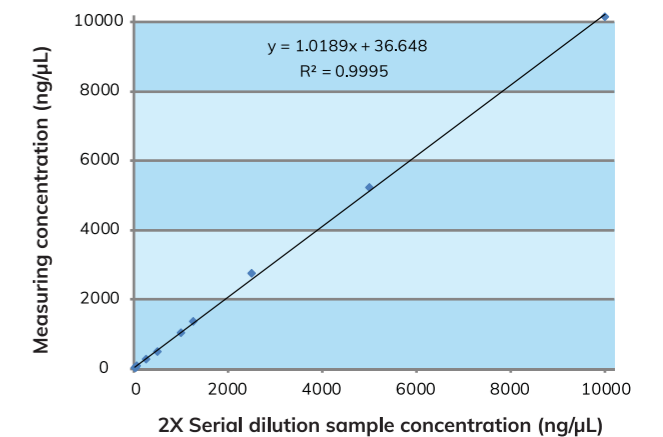
- > The thoughtfully-designed assist light makes up for the lack of ambient light, and minimizes sample placement errors.

## Quality Guaranteed



Sample Window System with Nano Hydrophobic Coating

- > A layer of Nano hydrophobic coating on the sample window ensures the formation of sample column.
- > The replaceable sample window system greatly reduces the possibility of residual contamination.
- > The CV value of absorbance is < 1%.



- > The cushion design on the detection arm reduces impact, which in turn reduces error in experiments.

# Specifications

## Optics Information

Sample Volume	1 $\mu$ L minimum volume
Sample Number	1
Pathlength	0.5 mm / 0.05 mm
Light Source	Pulsed Xenon flash lamp
Detector Type	2048 element CMOS
Wavelength Range	190 - 1000 nm
Bandwidth	1.3 nm
Wavelength Accuracy	1.0 nm
Spectral Resolution	1.5 nm (FWHM at Hg 253.7 nm)
Absorbance Precision (raw)	0.0015 A (0.5 mm)
Absorbance Precision	0.03 A (1 cm equivalent)
Absorbance Accuracy	3.0% at 0.75 A at 300 nm
Absorbance Range (1 cm equivalent)	0 (0.04) - 400 A
Detection Range	dsDNA: 2 - 20000 ng/ $\mu$ L BSA: 0.06 - 600 mg/mL
Sample Surface Material of Construction (Lower and Upper)	Stainless steel and quartz window with hydrophobic treatment
Measurement Time	< 3 sec

## Software

Operating System	Custom Linux based OS
Registered User Folder No.	> 500 sets
User Folder Password Protection	Yes

## General

Display	7" color LCD with capacitive touch panel
Data Port	1 USB Type-A front port for USB flash drive
Footprint Dimensions (W x D x H)	206 x 333 x 166 mm
Weight	3.5 kg (7.8 lb)
Glove Compatibility	All common lab gloves
Internal Storage	32 GB flash memory
Power Adapter	Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A
Certifications	CE, RoHS

Specifications are subject to change without prior notice.

## Ordering Information

**000 «Диаэм»**

Москва  
ул. Магаданская, д. 7, к. 3 ■ тел./факс: (495) 745-0508 ■ sales@dia-m.ru

[www.dia-m.ru](http://www.dia-m.ru)

**С.-Петербург**  
+7 (812) 372-6040  
spb@dia-m.ru

**Новосибирск**  
+7(383) 328-0048  
nsk@dia-m.ru

**Воронеж**  
+7 (473) 232-4412  
vrn@dia-m.ru

**Йошкар-Ола**  
+7 (927) 880-3676  
nba@dia-m.ru

**Красноярск**  
+7(923) 303-0152  
krsk@dia-m.ru

**Казань**  
+7(843) 210-2080  
kazan@dia-m.ru

**Ростов-на-Дону**  
+7 (863) 303-5500  
rnd@dia-m.ru

**Екатеринбург**  
+7 (912) 658-7606  
ekb@dia-m.ru

**Кемерово**  
+7 (923) 158-6753  
kemerovo@dia-m.ru

**Армения**  
+7 (094) 01-0173  
armenia@dia-m.ru

