



IGENE LABSERVE

Innovative • Interactive • Intuitive

Micro Volume Spectrophotometer



Address: 16/21 Ground Floor
Ashok Nagar| New Delhi-110018
Office: - 011-79613060
Email: info@igenels.com
Web: www.igenels.com



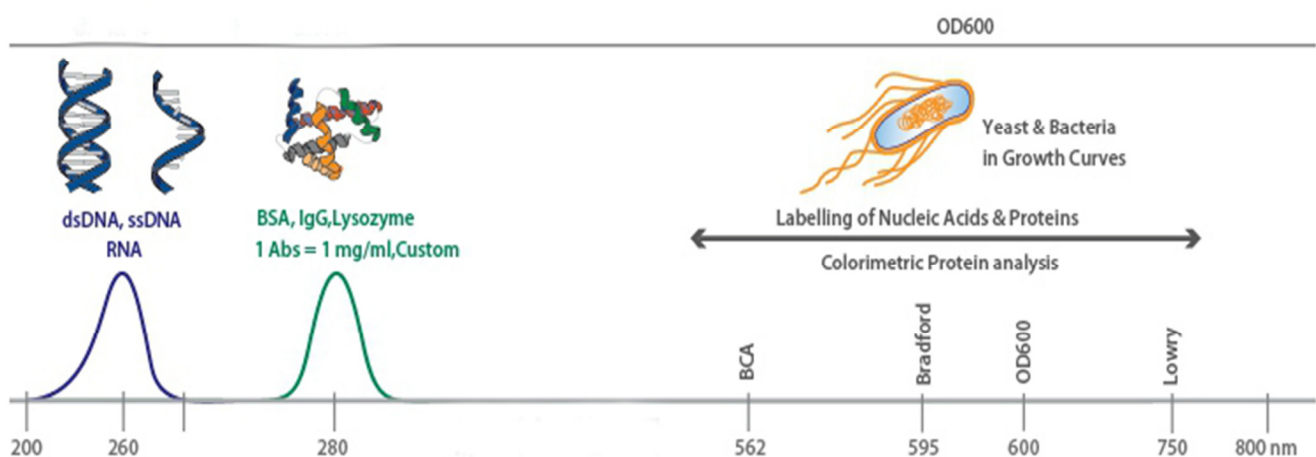
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FEATURES

- ❖ **User-friendly software, easy to use**
Free software updates lifetime
- ❖ **Micro-volumes measuring**
Only require 0.5~2 μ l sample to accurately determine nucleic acids, proteins
- ❖ **Fast and easy measurements**
Turn on and instantly measure without lamp warm up time; easy measurement ~8 sec
- ❖ **Long life's Xenon flash lamp**
Xenon flash lamp, 10 flashes, up to 10 years, no cells or cuvettes, no dilutions and expensive consumables
- ❖ **No consumables required**
Direct micro volume measurements from 1–2 μ L of sample. Eliminates the need for expensive accessories
- ❖ **No computer required and with touch screen (IG-3Nano, IG-4Nano)**
IG- is equipped with Android system operation
- ❖ **The IG-10Nano/ IG-3Nano are with full range of wavelength (200-800nm) detection ability; IG-4Nano is a basic UV spectrophotometer specifically designed (only three types of wavelength 230nm,260nm and 280nm) for nucleic acids and proteins**

Applications



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Technical Specifications

Type	IG-100Nano	IG-300Nano	IG-400Nano
Wavelength Range	200-800nm	200-800nm	260nm, 280nm
Minimum Sample Size	0.5-2.0ul	0.5-2.0ul	1-2.0ul
Path Length	0.2mm (High concentration) 1.0mm (Ordinary concentration)	0.2mm (High concentration) 1.0mm (Ordinary concentration)	0.5mm
Light Source	Xenon flash lamp	Xenon flash lamp	UV LED
Detector Type	3864-Element linear CCD way	3864-Element linear CCD way	UV-silicon photocell
Wavelength Accuracy	1nm	1nm	—
Spectral Resolution	≤3nm (FWHM at Hg546nm)	≤3nm (FWHM at Hg546nm)	—
Absorbance Precision	0.003Abs	0.003Abs	0.005Abs
Absorbance Accuracy	1% (7.332Abs at 260nm)	1% (7.332Abs at 260nm)	1% (7.332Abs at 260nm)
Absorbance Range	0.02 -90A	0.02 -100A	0.02 - 80A
Nucleic Acid Range	2-4500ng/ul (dsDNA)	10-5000ng/ul(dsDNA)	2-4000ng/ul (dsDNA)
Measurement Time	<8s	<6s	<8s
Data Output	Connect PC	USB	USB
Sample Pedestal Material	Aluminium alloy and Quartz fibre	Aluminium alloy and Quartz fibre	Aluminium alloy and Quartz fibre
Operating Voltage	24V DC	24V DC	24V DC
Operating Power Consumption	20W	40W	25W
Dimension (W x D x H)mm	200 x250x 166	210 x 268 x181	210 x 280 x 181
Weight	2.6kg	2.8kg	3.6kg
Software Compatibility	WinXP, Win7, Win8	Android System	Android System
Light Source	—	LED	LED
Wavelength Range	—	600±8nm	600±8nm
Absorbance Range	—	0-4A	0-4A

