

IMPLEN NanoPhotometer[®] NP80

永久免校正 ☒ 規格更高 ☒ 體積更小 ☒ 操作更方便

樣品最低僅需 0.3 μ l



獨家免校正光徑技術
True Path Technology™



獨家樣品抑制技術
Sample Compression Technology™



彈性操控軟體介面
Flexible Unit Control



長效電池獨立操作
Battery Powered
* 選配



7 吋觸控螢幕

抗磨損石英上下蓋

可控溫比色管槽座

內建 vortex

內建 Intel Celeron 處理器與
32 GB 記憶體

Linux 核心軟體介面，支援
Windows、Android 及 iOS
作業系統



N120



NP80



N60



N50



C40

偵測模式	微量	微量 + 比色管	微量	微量	比色管
通道數	1-12	1	1	1	1
最小樣品體積	2 μ l	0.3 μ l	0.3 μ l	0.3 μ l	依比色管型式
波長範圍 (nm)	200 - 900	200 - 900	200 - 900	200 - 650	200 - 900
微量偵測範圍	dsDNA: 2 - 8,000 ng/ μ l BSA: 0.06 - 230 mg/ml	dsDNA: 1 - 16,500 ng/ μ l BSA: 0.03 - 478 mg/ml	dsDNA: 1 - 16,500 ng/ μ l BSA: 0.03 - 478 mg/ml	dsDNA: 5 - 7,500 ng/ μ l BSA: 0.15 - 217 mg/ml	微量
比色管偵測範圍	-	dsDNA: 0.1 - 130 ng/ μ l BSA: 0.003 - 3.7 mg/ml	-	-	dsDNA: 0.1 - 130 ng/ μ l BSA: 0.003 - 3.7 mg/ml
光徑 (mm)	1 & 0.125	0.67 & 0.07	0.67 & 0.07	0.67 & 0.07	10
內建比色管槽	-	●	-	-	●
內建 Vortex	-	●	●	-	-
內建電池	○	○	○	-	○
IQ/OQ 確效	○	○	○	-	○
CFR21 軟體	○	○	○	-	○

●：標準配備，○：可升級選配

想了解更多？歡迎預約 實機展示

請立即聯絡當區業務，或來電預約實機展示

Technical Specifications

NanoVolume Performance		Optical Specifications	
Detection Range dsDNA	N60, NP80: 1 - 16,500 ng/μl N50: 5 - 7,500 ng/μl N120: 2 - 8,000 ng/μl	Wavelength Scan Range	C40, N60, NP80, N120: 200 - 900 nm N50: 200 - 650 nm
Detection Range BSA	N60, NP80: 0.03 - 478 mg/ml N50: 0.15 - 217 mg/ml N120: 0.06 - 230 mg/ml	Measure Time For Full Scan Range	C40, N50, N60, NP80: 2.5 - 4.0 sec N120: 1.7 - 2.5 sec per sample
Sample Volume	N50, N60, NP80: 0.3 - 2 μl N120: 2 - 3.5 μl	Wavelength Reproducibility	C40, N60, NP80, N120: ± 0.2 nm N50: ± 1 nm
Photometric Range (10 mm equivalent)	N60, NP80: 0.02 - 330 A N50: 0.1 - 150 A N120: 0.04 - 160 A	Wavelength Accuracy	C40, N60, NP80, N120: ± 0.75 nm N50: ± 1.5 nm
Path Length	N50, N60, NP80: 0.67 & 0.07 mm N120: 1 and 0.125 mm	Bandwidth	C40, N60, NP80: < 1.5 nm N50: < 3 nm N120: < 2.5 nm
Dilution Factor	N50, N60, NP80: 15 and 140 N120: 10 and 80	Absorbance Reproducibility	C40, NP80 (Cuvette): < 0.002 A @ 0 - 0.3 A @ 280 nm CV < 1% @ 0.3 - 2.0 A @ 280 nm N50 (Lid 15): < 0.004 A @ 0 - 0.3 A @ 280 nm CV < 1% @ 0.3 - 1.5 A @ 280 nm N60, NP80 (Lid 15): < 0.002 A @ 0 - 0.3 A @ 280 nm CV < 1% @ 0.3 - 1.7 A @ 280 nm N120 (Lid 10): < 0.004 A @ 0 - 0.3 A @ 280 nm CV < 0.4% @ 0.8 A @ 280 nm
Vortex	N60, NP80: 2,800 rpm Tube size up to 2.0 ml		
Cuvette Performance – NP80 & C40			
Detection Range dsDNA	0.1 - 130 ng/μl	Absorbance Accuracy	< 1.75% @ 0.7 A @ 280 nm of the reading
Detection Range BSA	0.003 - 3.7 mg/ml	Stray Light	N60, NP80, C40: < 0.5% @ 240 nm using NaI N50: < 2% @ 240 nm using NaI N120: < 1% @ 240 nm using NaI
Photometric Range	0 - 2.6 A	Optical Arrangement	C40, N50, N60, NP80, N120: 1 x 4096 CMOS Array
Center Height (Z-Height)	8.5 mm	Lamp Lifetime	Xenon flash lamp 10 ⁹ flashes, up to 10 years
Cell Types	Outside dimension 12.5 x 12.5 mm	General Specifications	
Heating	37 °C ± 0.5 °C	Main Body Size	200 x 200 x 120 mm
Processing Power & Compatibility		Weight	3.8 - 5.2 kg depending on configuration
Operating System	Linux based NPOS	Operating Voltage	90 - 250 V ± 10%, 50/60 Hz, 90 W, 18/19 VDC
Onboard Processor	Intel Celeron dual core 2.4 GHz	Display	1024 x 600 pixels; glove compatible touchscreen
Internal Data Storage	C40, N50, N60, NP80: 32 GB N120: 128 GB	Built-in Battery Pack: Optional rechargeable lithium ion battery	C40, N60, NP80: 95 Wh, 6.6 Ah, 8 h N120: 47.5 Wh, 3.3 Ah, 3 h Min. charging cycles: 800
In & Output Ports	2x USB A, USB B, Ethernet	Certification	CE, IEC 61010-1:2012 and EN 61326-1:2013
Software Compatibility	Windows 8, 10 (32 & 64 bit) OS X (Intel x86 and Apple M1) iOS and Android OS	Battery Certification	IEC 62133 and UN38.3 transport test
		Security	Slot for Kensington lock