Enjoy the Power of Options

NanoPhotometer® Comparison Guide

Spectroscopy a la carte

	N120 12 Channel NanoVolume	**NP80** NanoVolume & Cuvette	**N60** NanoVolume	**N50** NanoVolume	**C40** Cuvette
Sample Number	1 – 12	1	1	1	1
Minimum Sample (µl)	2 – 3.5	0.3 – 2	0.3 – 2	0.3 – 2	50 µL – 3 m
Full Spectrum Scan (nm)	200 – 900	200 – 900	200 – 900	200 – 650	200 – 900
Measure Time per Sample (sec)	1.7 – 2.5 20 sec full scan	2.5 – 4	2.5 – 4	2.5 – 4	2.5 – 4
Resolution (nm)	< 2.5	< 1.5	< 1.5	< 3	< 1.5
Detection Range dsDNA (ng/µl)	2 – 8,000	1 – 16,500	1 – 16,500	5 – 7,500	○
Detection Range BSA (mg/ml)	0.06 – 230	0.03 – 478	0.03 – 478	0.15 – 217	○
Detection Range Cuvette dsDNA (ng/µl)	N/A	0.1 – 130	N/A	N/A	0.1 – 130
Detection Range Cuvette BSA (mg/ml)	N/A	0.003 – 3.7	N/A	N/A	0.003 – 3.7
Path Lengths (mm)	1 & 0.125	0.67 & 0.07	0.67 & 0.07	0.67 & 0.07	10
Built-in Cuvette	○	●	○	○	●
Built-in Vortex	○	●	●	○	○
Internal Storage, GB	128	64	64	64	64
Touchscreen	●	●	●	●	●
Built-in Battery Pack	Optional	Optional	Optional	○	Optional

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CFR21 Software	Optional	Optional	Optional	○	Optional
IQ/OQ Package	Optional	Optional	Optional	○	Optional
Customizable Methods	●	●	●	●	●
Microvolume Capability	●	●	●	●	○
Kinetic Studies in a Drop	●	●	●	●	○
Flexible Unit Control	●	●	●	●	●
Multi-Language User Interface	●	●	●	●	●
Blank Control™ and Sample Control™	●	●	●	●	●
Wi-Fi®, HotSpot, LAN HDMI, USB A/B	●	●	●	●	●
Built-in File Server	●	●	●	●	●
Universal Data Output, Excel and PDF	●	●	●	●	●
Free from Recalibration	●	●	●	●	●
Barcode Ready	●	●	●	●	●

Features and specifications are subject to change without notice.

"I love these machines. They make my job easier."

Rating: 5.0 ★★★★★

Application Area: Teaching lab/upper divisional Bioc lab

"We have 8 and I am very pleased with how easy they are to use. This is a new product for our students and they are able to follow the directions we give them and get results. With any new piece of equipment, there is a learning curve, but it's a small one once they are comfortable using them. I like the fact that they are easy to demo, easy to install updates, and easy to troubleshoot. Compared to our old specs, these save the students time, they get results quickly, each group has their own NanoPhotometer at their station... My sales rep is fantastic"

Barbara Pinch
Organization: University of Minnesota

"Great results and very accurate!"

Rating: 5.0 ★★★★★

Application Area: Protein assays and concentrations

"I love love love this machine. It's portable, idiot proof, and accurate. For its DNA analysis, it is much more accurate than the old familiar... . I love the fact that it is so modifiable and easy to use. We use it for a variety of functions in the lab, including Bradford assays. I really love that there is a built-in graph for these and that you can email it to yourself or save on a USB stick. This machine is the thing we have all been needing but never knew we missed. Also the customer care is outstanding and I look forward to our rep every time she comes."

Andrea Kuipers
Organization: California Institute of Technology