

Infinite[®] 200 PRO.



TYPICAL PERFORMANCE VALUES*

Light source	UV Xenon flashlamp	
Wavelength selection		
Infinite M configurations	Quad4 Monochromators system (2 excitation and 2 emission monochromators)	
Bandwidth	Ex: < 5 nm for $\lambda \leq 315$ nm and < 9 nm for $\lambda > 315$ nm; Em: < 20 nm	
	Absorbance	Fluorescence
Wavelength accuracy	< ± 0.5 nm for $\lambda > 315$ nm; < ± 0.3 nm for $\lambda \leq 315$ nm	< ± 2 nm for $\lambda > 315$ nm; < ± 1 nm for $\lambda \leq 315$ nm
Wavelength reproducibility	< ± 0.5 nm for $\lambda > 315$ nm; < ± 0.3 nm for $\lambda \leq 315$ nm	< ± 1 nm for $\lambda > 315$ nm; < ± 0.5 nm for $\lambda \leq 315$ nm
Infinite F configurations	Up to 4 filter pairs per slide	
Wavelength range		
Fluorescence intensity	Ex 230 - 850 nm, Em 280 - 850 nm	
Absorbance	230 - 1000 nm	
Detectors	Fluorescence - PMT, UV and red-sensitive Absorbance - UV silicon photodiode Luminescence - photon counting system with low dark current PMT	
Plate formats	6- to 384-well plates, cuvettes, NanoQuant Plate	
Temperature control	Ambient +5 °C up to 42 °C	
Shaking	Linear, orbital	
Fluorescence sensitivity¹⁾ values	Infinite F configurations	Infinite M configurations
Fluorescence top reading ¹⁾	85 amol / well (100 μ l; 384-well plate)	170 amol / well (100 μ l; 384-well plate)
Fluorescence bottom reading ¹⁾	5.0 fmol / well (200 μ l; 96-well plate)	9.0 fmol / well (200 μ l; 96-well plate)
TRF ²⁾	2.8 amol / well (100 μ l; 384-well plate)	90 amol / well (100 μ l; 384-well plate)
FP ³⁾	< 4 mP standard deviation @ 1 nM Fluorescein	
Luminescence sensitivity values		
Glow luminescence ³⁾	225 amol ATP / well (25 μ l; low volume 384-well plate)	
Flash luminescence ⁴⁾	12 amol ATP / well (55 μ l; 384-well plate)	
Absorbance		
Ratio accuracy 260 / 280 nm	± 0.07	
Precision @ 260 nm	< 0.2 %	
Accuracy @ 260 nm	< 0.5 %	
Measurement range	0 - 4 OD	
Injectors		
Pump speed	100 - 300 μ l/s	
Injection volume	selectable in 1 μ l increments; max. volume: 800 μ l per stroke	
Dead volume	100 μ l including pump back	
Fastest Read Times		
96-well plate	20 sec	
384-well plate	30 sec	
Wavelength Ex / Em-scan, 96-well plate		
450 - 550 nm, 5 nm step	150 sec	

¹⁾ Detection limit for Fluorescein, ²⁾ Detection limit for Europium, ³⁾ Detection limit for ATP (144-041 ATP detection kit SL (BioThema),

⁴⁾ Detection for ATP (ENLITEN[®] Kit)

* Specifications are subject to change. Performance values represent the average observed factory tested values. For product specifications refer to operators manual.

www.tecan.com

TECAN.

Australia +61 3 9647 4100 **Austria** +43 62 46 89 330 **Belgium** +32 15 42 13 19 **China** +86 21 220 63 206 **France** +33 4 72 76 04 80 **Germany** +49 79 51 94 170
Italy +39 02 92 44 790 **Japan** +81 44 556 73 11 **Netherlands** +31 18 34 48 17 4 **Nordic** +46 8 750 39 40 **Singapore** +65 644 41 886 **Spain** +34 93 595 25 31
Switzerland +41 44 922 89 22 **UK** +44 118 9300 300 **USA** +1 919 361 5200 **Other countries** +41 44 922 81 11

© 2017 Tecan Trading AG, Switzerland, all rights reserved. For disclaimer and trademarks please visit www.tecan.com

400199 V1.1.05-2017

