

INO6700FLA Multifunction Microplate Reader

Fluorescence

1.1 Excitation range	320-1000nm
1.2 Emission range	360-800nm
1.3 Ex-Em Filter	355-460, 485-538, 544-590nm, etc..
1.4 Sensitivity	2 fmol fluorescein/well
1.5 Linear range	> 6 orders of magnitude
1.6 Detector	Photomultiplier tube

Luminescence

2.1 Spectral range	270-670 nm
2.2 Sensitivity	40 amol ATP/well
2.3 Linear range	> 6 orders of magnitude
2.4 Detector	Photomultiplier tube

Dual system Absorbance

*3.1 UV-VIS Spectrum

3.2 Wavelength range	190-900nm
3.3 Wavelength accuracy	±1.0nm
3.4 Detector	2048 CMOS
3.5 Light source	Xenon
3.6 Wavelength Repeatability	< 0.2 nm
3.7 Real time output of UV-VIS spectrograms per hole	

*4.1 12 Channel filter

4.2 Wavelength	405/450/492/600/650nm (optional 260/280 etc)
4.3 Wavelength accuracy	±1.0nm
4.4 Detector	Photodiode
4.5 Light source	Tungsten lamp (optional Xenon)
4.6 Repeatability	≤±0.2%
4.7 Measuring range	0.000-4.000Abs

Autosampler

*5.1 Number	1 set
5.2 Volume	4 – 995 µL, 1µLstep
5.3 Speed	30s, 96well microplate, 5µL / well

General characteristics

6.1 Plate Type	6/12/24/48/96/384 Microplate
6.2 Speed	96wells,18s; 384wells,60s
6.3 Heating system	Standard, RT +3 to 45°C
*6.4 Light source	Tungsten, Xenon
6.5 Shaker	10 speed, 3 amplitude
6.6 Audit Trail	

Laptop PC

