Technical Details*	
Biochrom Asys UVM340 Microplate Reader	
Measurement range	0.000 to 3.200 OD
Wavelength range	340 to 800 nm
Wavelength selection	Monochromator; all wavelengths selectable in 1 nm intervals
Bandwidth	< 3nm
Accuracy	± 0.5% and 0.005 OD from 0.100-1.000 OD at 450 nm ± 1.0% and 0.010 OD from 1.000-2.000 OD at 450 nm
Reproducibility	± 0.8% and 0.005 OD 0.100- 2.000 OD at 450 nm
Linearity	± 0.5% and 0.005 OD from 0.100-1.000 OD at 492 nm ± 1.0% and 0.010 OD from 1.000-2.000 OD at 492 nm
Plate formats	12, 24, 48 and 96-well plates
Reading speed	35 seconds for a 96 well plate
Light source	30 watt Tungsten halogen lamp
Detection system	2 silicon diodes, one for measurement and one for reference
Measurement system	Single channel optical system with self-check and automatic calibration
Computer interface	RS-232C bidirectional and USB
Software	DigiRead, ScanPlus, KIM (optional), MikroWin 2000 (optional)
Validation	QC plate for checking alignment, absorbance accuracy & precision (optiona
Dimensions (WxDxH)	27 x 43 x 24cm (10.6”x 16.9”x 9.4”)
Weight	10kg (22lbs)
Power requirements	90 to 250V, 50/60 Hz, 65VA

*Technical details of the Biochrom Asys UVM340 microplate reader are subject to change.