

Technical Data

Detection speed	4 ms
Incident angles	40-76 Deg (continuous)
Baseline noise	< 0.6 RU RMS (0.1 mDeg RMS)
Baseline drift	3 RU/hr (0.5 mDeg/hr) (when ambient drifts < 1°C/hr)
Temperature control range	15° to 50°C (10°C below ambient temperature max)
Field of view	bright field: 1200x900 µm; SPR: 600x450 µm
Resolution	bright field & SPR: 1µm
Magnification	bright field: 10x SPR: 20x
Sample volume	1 to 1500 µl (application dependent)
Kinetic constants	$k_a < 1 \times 10^7 \text{ M}^{-1} \text{ s}^{-1}$ $k_d > 1 \times 10^{-5} \text{ s}^{-1}$
Affinity constant	$K_D = 10^{-3} \text{ (1 mM) to } 10^{-12} \text{ M (1 pM)}$
Molecular weight cutoff	200 Da