

Introducing, the Gator® Family.



Performance					
Type of analysis	Proteins, antibodies, peptides, nucleic acids, liposomes, viruses, small molecules				
Simultaneous reads	4	8	8	8 and 16	8, 16, 24, and 32
Maximum sample capacity	40	168	456	816	1152
Molecular weight	> 150 Da				
Association rate (k _{on})	10 ¹ to 10 ⁷ M ⁻¹ s ⁻¹				
Dissociation rate (k _{off})	10 ⁻⁶ to 10 ⁻¹ s ⁻¹				
Affinity constant (K _D)	10 pM – 1 mM				
Quantitation range (Protein A biosensor)	0.02 – 2000 µg/mL				
Binning capacity	6x6	12x12	16x16	20x20	32x32
Baseline noise (RMS)	≤ 4 pm				
Baseline drift	≤ 0.12 nm/hour	≤ 0.12 nm/hour	≤ 0.1 nm/hour	≤ 0.1 nm/hour	≤ 0.1 nm/hour
Acquisition rate	2, 5, and 10 Hz				
Specifications					
Spectrometers	4	8	8	16	32
Sample microplate*	96-well format ¹	96-well format ^{1,2}	96 or 384-well format ^{1,2,3,4}	2 x 96 or 384-well format ^{1,2,3,4}	3 x 96 or 384-well format ^{1,2,3,4}
Evaporation control	No	No	No	Yes	No
Sample temperature control	Ambient plus 4°C to 40°C	Ambient plus 4°C to 40°C	Ambient plus 4°C to 40°C	15°C to 40°C	Ambient plus 4°C to 40°C
Automation compatible	No	No	No	Yes	Yes
Minimum sample volume	180 µL ¹	130 µL ²	40 µL ⁴	40 µL ⁴	40 µL ⁴
Smart monitoring	No	No	No	Yes	Yes
Self-cleaning	No	No	No	Yes	Yes
Dimension - HxWxD (cm)	49 x 68 x 33	47 x 67 x 31	68 x 73 x 44	92 x 87 x 79	84 x 114 x 77
Weight (kg)	31 kg	35 kg	55 kg	130 kg	220 kg

*Gator Bio offers ¹ 96-well flat-bottom, ² 96-well tilt-bottom, ³ 384-well flat-bottom and ⁴ 384-well tilt-bottom microplates for range of BLI applications



Get in touch with us: info@gatorbio.com
Know more at: www.gatorbio.com

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