

Introducing the Gator[®] Family

Gator[®] Prime



Gator[®] Plus



Gator[®] Pro



Microplate positions	2	2	4
Microplate configuration	96-well microplates & Max Plate	96 or 384-well microplates & Max Plate	3 x 96 or 384-well microplates & Max Plate
Type of analysis	Proteins, antibodies, peptides, nucleic acids, liposomes, viruses, small molecules		
Minimum sample volume	100 µL	40 µL	40 µL
Self-cleaning	No	No	Yes
Simultaneous reads	8	8	8, 16, 24, and 32
Spectrometers	8	8	32
Temperature control	Ambient plus 4°C to 40°C	Ambient plus 4°C to 40°C	Ambient plus 4°C to 40°C
Automation compatible	No	No	Yes
Maximum sample capacity	168	456	1152
Molecular weight	> 150 Da	> 150 Da	> 150 Da
Association rate (k_{on})	10^1 to 10^7 M ⁻¹ s ⁻¹	10^1 to 10^7 M ⁻¹ s ⁻¹	10^1 to 10^7 M ⁻¹ s ⁻¹
Dissociation rate (k_{off})	10^{-6} to 10^{-1} s ⁻¹	10^{-6} to 10^{-1} s ⁻¹	10^{-6} to 10^{-1} s ⁻¹
Affinity constant (K_D)	10 pM – 1 mM	10 pM – 1 mM	10 pM – 1 mM
Quantitation range (protein A biosensor)	0.02 – 2000 µg/mL	0.02 – 2000 µg/mL	0.02 – 2000 µg/mL
Binning capacity	12 x 12	16 x 16	32 x 32
Baseline noise (RMS)	≤ 4 pm	≤ 4 pm	≤ 4 pm
Baseline drift	≤ 0.12 nm/hour	≤ 0.1 nm/hour	≤ 0.1 nm/hour
Acquisition rate	2, 5, and 10 Hz	2, 5, and 10 Hz	2, 5, and 10 Hz
Dimensions - H x W x D	47 cm x 31 cm x 67 cm	68 cm x 44 cm x 73 cm	84 cm x 114 cm x 77 cm
Weight (kg)	35 kg	55 kg	220 kg

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 Know more at: www.gatorbio.com

