

Choosing Your System

The Octet family of instruments is designed to meet a broad range of application and workflow requirements. Your local ForteBio representative can provide detailed information on system capabilities and our extensive library of Octet application solutions to help you choose the system that's right for your lab.

	 Octet K2 System	 Octet QK ^e System	 Octet QK384 System	 Octet RED96 System	 Octet RED384 System	 Octet HTX System
	Research-friendly small and large molecule characterization	Automated large molecule characterization	High throughput large molecule characterization	Automated small and large molecule characterization	High throughput small and large molecule characterization	Highest throughput small and large molecule characterization
Ideal Uses						
Small Molecule Assays	● ● ●			● ● ●	● ● ●	● ● ●
Protein Interactions (Kinetics)	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
VLP Assays	● ● ●	● ●	● ●	● ● ●	● ● ●	● ● ●
Screening Applications	●	● ●	● ● ●	● ●	● ● ●	● ● ●
Measuring Weak Binding Affinities	● ● ●	● ●	● ●	● ● ●	● ● ●	● ● ●
Measuring Tight Binding Affinities	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
Multi-step Quantitation Assays	●	● ●	● ●	● ● ●	● ● ●	● ● ●
Quantitation in Media and Lysates	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
Determining Antibody Titer	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
Immunoassay Development and QC	● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
Performance						
Affinity Range	1 mM – 10 pM	0.1 mM – 1 nM	0.1 mM – 1 nM	1 mM – 10 pM	1 mM – 10 pM	1 mM – 10 pM
Molecular Weight	>150 Da	>5,000 Da	>5,000 Da	>150 Da	>150 Da	>150 Da
Minimum Sample Volume	200 µL	100 µL†	40 µL*	200 µL	40 µL*	40 µL*
Acquisition Rate	2, 5, 10 Hz	0.3, 0.6 Hz	0.3, 0.6 Hz	2, 5, 10 Hz	2, 5, 10 Hz	0.3, 0.6, 2, 5, 10 Hz
Maximum Simultaneous Reads	2	8	16	8	16	96
Specifications						
Number of Spectrometers	2	1	2	8	16	16
Temperature Control	Ambient +4°C – 40°C	Ambient +4°C – 40°C	Ambient +4°C – 40°C	Ambient +4°C – 40°C	Ambient +4°C – 40°C	Ambient +4°C – 40°C
Microplate Positions	1 (96-well)	1 (96-well)	2 (96- or 384-well)	1 (96-well)	2 (96- or 384-well)	2 (96- or 384-well)
Integration with Automation	No	No	Yes	No	Yes	Yes
Dimensions						
Size H x W x D (cm)	47 x 43 x 53	47 x 43 x 53	77 x 80 x 80	47 x 43 x 53	77 x 80 x 80	77 x 80 x 80
Weight (Kg)	26.3	23	68.2	24.5	68.2	90

* In a 384-well tilted-bottom microplate (ForteBio, part no.18-5080)

† In a 96-well half-area microplate (VWR, part no. 82050-044)

Distributore esclusivo per l'Italia:

 **ALFATEST**
strumentazione scientifica
www.alfatest.it - alfatest@alfatest.it