IonFlux System Selection Guide

System	IonFlux Mercury 16	IonFlux Mercury HT
Design	Benchtop	Benchtop
Amplifiers	16 channels	64 channels
Data points per hour	~700 data points	~2,500 data points
Maximal sweep length (@0.5 Khz)	300 seconds	300 seconds
Maximal sampling rate	20 Khz	20 Khz
Plate format	SBS standard 96 well	SBS standard 384 well
Minimum data points per plate	144	576
Solution flow	Continuous	Continuous
Liquid handling	In-plate	In-plate
Asynchronous assays	Up to 1	Up to 1
Independent experiments	8 unique	32 unique
Independent compounds	64 per run	256 per run
Liquid exchange rate	25 ms at EC_{50}	25 ms at EC_{50}
Assay mode	Single cell giga-ohm seal / 20 cell ensemble	Single cell giga-ohm seal / 20 cell ensemble
Different Intracellular solutions per run	16	64
Rs/Cslow compensation	80/100	80/100
Mode	Voltage / Current Clamp (Optional)	Voltage / Current Clamp (Optional)
Cell source	Recombinant / stem cells / primary	Recombinant / stem cells / primary
Integrated temperature control	Ambient to 40 °C	Ambient to 40 °C
Optional Cooling	Yes	Yes
Warranty	1 year	1 year

For more information on
IonFlux Technology, visit cellmicrosystems.com

801 Capitola Drive, Suite 10
Durham, NC 27713
info@cellmicrosystems.com