

BioFlux System Selection Guide



System	BioFlux One	BioFlux 200	BioFlux 1000z
Throughput	Up to 24 flow assays	Up to 24 flow assays (96 with Quattro)	Up to 24 flow assays (96 with Quattro)
Fits in hood	✓	✓	
Temperature control	Optional	✓	✓
Plate formats	48-well	48-well, 24-well (2 inlet)	48-well, 24-well (2 inlet), 6-well
Cell analysis software	BioFlux Analysis software included, Montage Plus software optional	BioFlux Analysis software included, Montage Plus software optional	Advanced microscope control and analysis with Montage Plus software
One-phase flow applications			
Platelet aggregation	✓	✓	✓
Biofilm formation	✓	✓	✓
Host-pathogen interactions	✓	✓	✓
Rolling/adhesion	✓	✓	✓
Stem cells	✓	✓	✓
Transmigration	✓	✓	✓
Two-phase flow applications			
Chemotaxis		✓	✓
Wound healing		✓	✓
Migration/ invasion		✓	✓
Cell homing		✓	✓
Angiogenesis		✓	✓

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Available Upgrades			
Pulsatile flow	✓	✓	✓
Environmental Control	✓	✓	✓
Dual gas		✓	✓
Microscope	Inverted (not included)	Inverted (not included)	Customizable
Autofocus			✓
Camera			User-defined
Epifluorescence			✓
Filter cubes			User selected
Motorized stage			✓
Onstage incubator			Optional enclosure
Fluorescence			6 channels
Objectives			10X and 20X included, 6 positions total
Endpoint and live cell imaging			✓
Automated plate scanning			✓