

BioFlux™ Comparison Chart

Which BioFlux System Is Right For Me?

BioFlux EZ

Superior Performance in an Affordable Package:

Same great BioFlux benefits : The BioFlux EZ maintains the simplicity of operation and rapid experimental setup that are hallmarks of the entire BioFlux product suite. Protocols can be set up in minutes and saved for future use. All data on experimental runs is stored automatically.

Simple set-up and operation: The BioFlux EZ is designed for simple experiment execution in any lab. The system is easily integrated with most inverted microscopes for real-time imaging.

A rich set of options: The base BioFlux EZ package includes the EZ Controller, Pressure Interface, and BioFlux Software. A broad range of options is available to maximize utility:

- High resolution camera with automated image capture
- Environmental control to maintain gas composition
- Automated heater

Fully Upgradeable: The BioFlux EZ is limited to running 6 simultaneous flow cell experiments and does not include 2-phase flow (see back page for system comparison chart).

However, the system is fully upgradeable to a BioFlux 200 or BioFlux 1000 should your future research require these capabilities.



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Not sure which BioFlux will be compatible with your applications? Please refer to the comparison chart below to determine which BioFlux system will meet your needs.

BioFlux System Comparison Chart

	BioFlux EZ	BioFlux 200	BioFlux 1000Z
WPM Plate Compatibility			
48-well Low Shear (0-20 dyne/cm ²)	✓	✓	✓
48-well High Shear (0-200 dyne/cm ²)	✓	✓	✓
24-well Plate (0-20 dyne/cm ²)	N/A	✓	✓
Maximum Number of Concurrent Assays	24*	96*	96*
Bidirectional Flow	✓	✓	✓
Shear Flow Range: 0.5-200 dyne/cm ²	✓	✓	✓
Air Filter: 0.2um in-line filter	✓	✓	✓
2-Phase Flow Capability	N/A	✓	✓
Simultaneous, Intra-Plate Dual Flow Conditions	N/A	✓	✓
Temperature Control	optional	✓	✓
Environmental Control	optional	✓	✓
Pulsatile Flow	optional	optional	optional
Integrated Microscope	optional	optional	✓
Automated Stage	optional	optional	✓
High Resolution Camera	optional	optional	✓
BioFlux Montage Cell Analysis Software	optional	optional	✓
Applications			
Platelet Aggregation	✓	✓	✓
Biofilm Formation	✓	✓	✓
Host/Pathogen Interactions	✓	✓	✓
Rolling/Adhesion	✓	✓	✓
Stem Cells	✓	✓	✓
Transmigration	✓	✓	✓
Chemotactic Migration	N/A	✓	✓
Wound Healing	N/A	✓	✓
Angiogenesis	N/A	✓	✓

*with multi-plate adapter