CELL Microsystems®

&L Biosystems

Shear Flow Precision to mimic In Vivo Biology

Cell Microsystems | **BioFlux 200+ & 1000HT**

Many biological processes rely on shear flow. BioFlux recreates these conditions in microfluidic flow cells embedded in a microtiter plate, bringing in vitro studies closer to in vivo reality. It offers precise control over shear stress, temperature, and gas composition.

From a flexible entry system to a fully integrated platform, the BioFlux range adapts seamlessly to your workflow.

Turn over to compare the different systems available.

	BioFlux 200+	BioFlux 1000HT
Key features	• Precise shear flow • Pulsatile flow if needed • Low volumes for material and cost savings • Easy handling with microtiter plates • No cleaning/replacing of pumps and tubings • High throughput and reproducibility	
Applications	• Antimicrobial & mutant screening • Atherosclerosis modelling • Biofilm adhesion & growth • Cell movement • Host-pathogen interaction • Platelet adhesion & aggregation • Transmigration	
Microscope	Works with the lab's existing inverted microscope	Integrated Zeiss Axio Observer microscope with motorised stage & camera
System type	Flexible, cost-effective entry system	Fully integrated turnkey platform
Ideal for	Labs wanting to use their own imaging setup and flexible workflows	High-throughput labs requiring automation, advanced imaging and analysis

Would you like to learn more?
il-biosystems.com