

LAB SERVICES

Physiologic Assay Development

Your time and resources are valuable. Let us partner with you to efficiently and affordably generate physiologically relevant cell-based assays for drug discovery and safety testing.



> Custom Assay Development

Collaborate with our expert scientists to design experiments tailored to your specific research questions.

> Accelerate Data Generation

When time is limited, or you don't have access to specialized equipment, let us perform your critical experiments.

> Maximize Team Productivity

Entrusting our professionals with your projects will free up your team's bandwidth, enabling them to focus on other essential tasks.

> Seamless Transition to Ownership

If you choose to purchase our instruments after using our services, you'll be able to seamlessly continue your research with familiar tools and workflows.

Learn More



CELL
Microsystems®

In Vitro Shear Flow

With a high throughput BioFlux System, we can introduce physiological and/or pathological shear flow to 20+ standard or customized assays, effectively emulating in vivo conditions and revealing in vivo biology.

Unmask In Vivo Biology

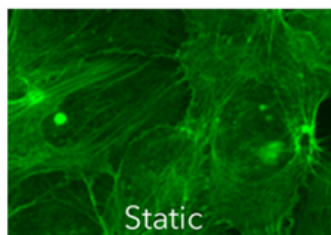
We uncover changes in gene expression, cytokine production, and cell morphology, which cannot be replicated in static assays.

Enhance Physiological Relevance

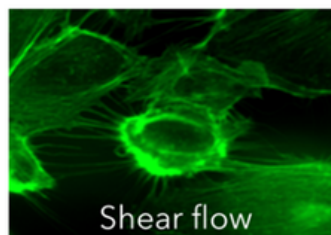
We mimic in vivo environments by culturing, assaying, and imaging cells under wall shear stresses up to 200 dyn/cm², using unidirectional, pulsatile, or oscillatory laminar flow.

Control Environmental Variables

In addition to shear, we control microenvironmental gas composition, and temperature, enabling a wide range of assay flexibility.



Static



Shear flow

Whole-Cell Patch Clamp

With the IonFlux Mercury, we accelerate your drug discovery and development by delivering fast and reliable electrophysiology data tailored to your specific needs.

Accelerate Discovery

We increase patch clamp success rates, and subsequently reduce testing timelines, by leveraging continuous liquid flow to keep cells healthier for longer.

Explore True Ion Channel Kinetics

We precisely deliver and completely remove experimental compounds without the use of a liquid handler, preventing cell desensitization and ensuring low-noise, high-quality data.

Customize Assays

Our microfluidics lower sample requirements and enable independent cell sources and in-plate solution exchange, creating endless protocol flexibility to meet your assay requirements.

