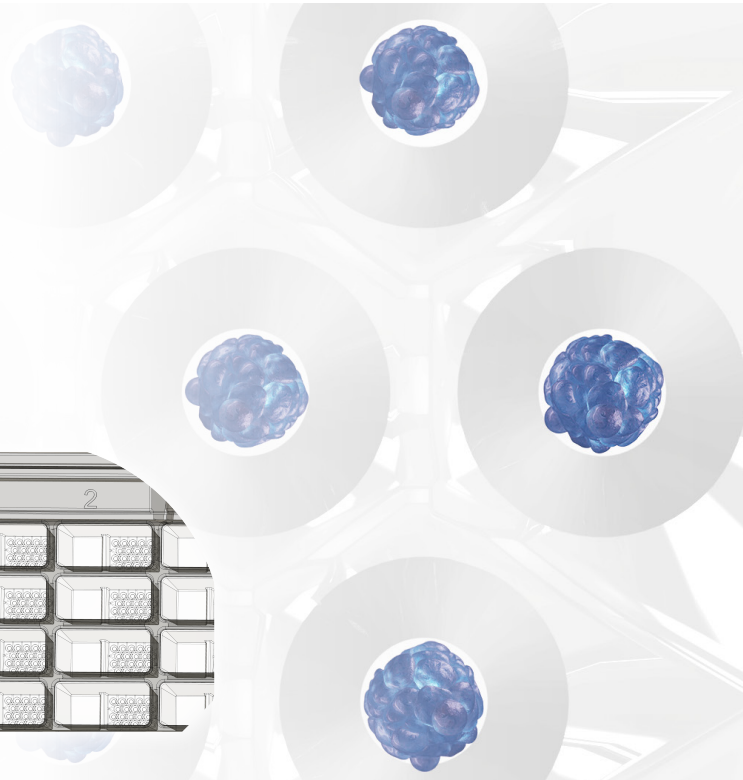
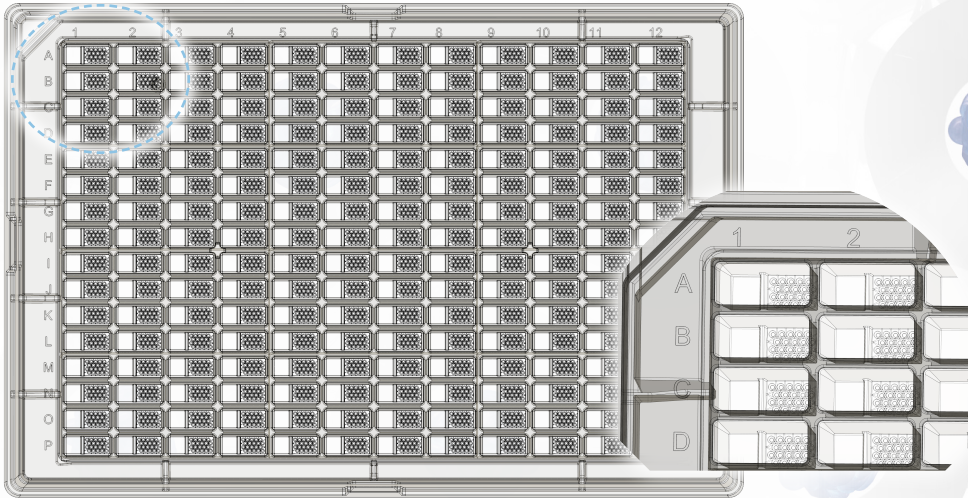


## High-throughput microwell platform for physiologically relevant 3D cell culture.

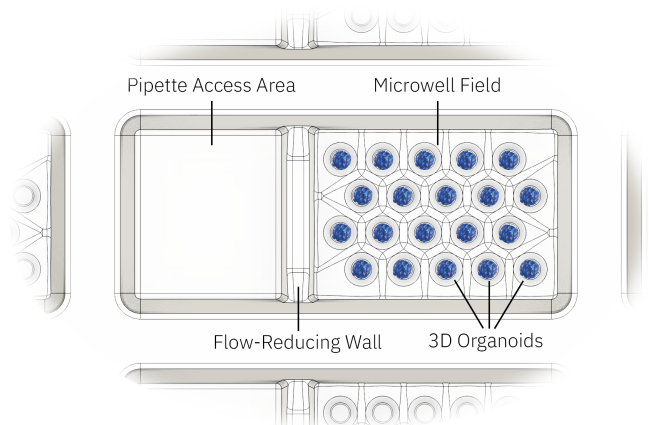


### What is a microwell platform?

A microwell platform is a microstructured surface designed to support uniform, spatially confined 3D cell culture constructs. These platforms enable the formation and maintenance of organoids, spheroids, assembloids, microtissues, and other cell aggregates. Compared with traditional 2D culture, microwell platforms allow researchers to study cells in more physiologically relevant environments for disease modeling, drug discovery, and toxicology screening.

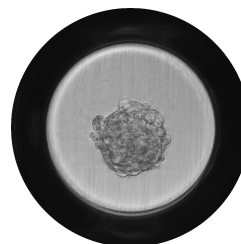
### What is the HTMP 192?

The HTMP 192 is an improved microwell platform that contains a pipette access area and microwell field separated by a flow-reducing wall. This wall enables media exchange (>80%) through the pipette access area while minimizing disturbance to, or loss of, cellular material within the microwell field.



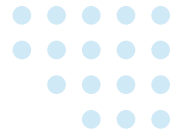
#### At-a-glance

<b>Plate format</b>	192-well (SBS / SLAS aligned)
<b>Microwells / well</b>	20
<b>Material</b>	Polystyrene
<b>Workflow</b>	Manual pipette, multichannel automation - compatible
<b>Readouts</b>	Imaging, media sampling, DNA / RNA / protein isolation
<b>Retention</b>	>90% / 10x exchange



*Hepatic 3D organoid in an HTMP 192 microwell*

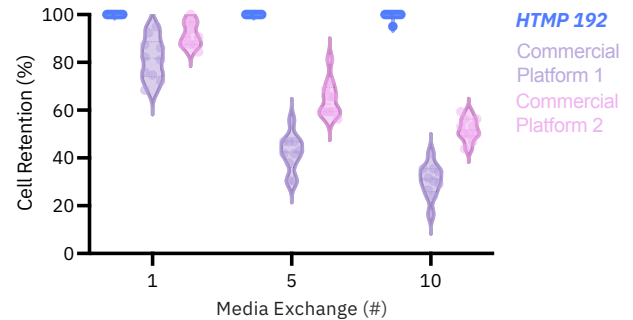




## Reliable 3D Biology

The HTMP 192 enables simple, reproducible 3D cell culture in a standard SBS / SLAS -compatible format. Cells self-assemble into uniform microtissues within protected microwell fields, while a dedicated pipette-access region allows routine feeding, dosing, and sampling without disturbing the culture area.

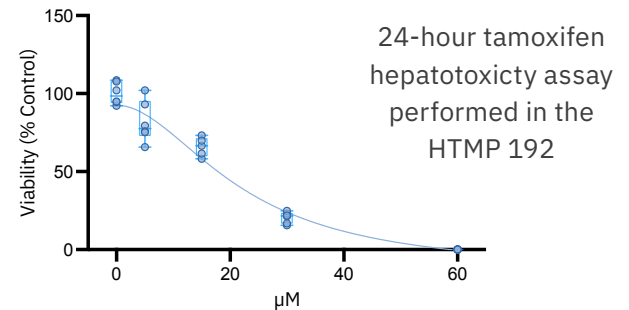
## Improve Replicability



## Longitudinal Compound Screening

Perform repeat dosing, washout, media sampling, and multi-day compound exposure in the same 3D cultures over time. The HTMP 192 minimizes cell loss during routine media exchange, enabling reliable dose-response studies across multiple time points and 3D model types, including hepatic spheroids, intestinal organoids, cancer tumoroids, and more.

## Relevance and Utility



## Versatile Application List

- **Hepatotoxicity & DILI screening** — predictive liver safety assessment
- **High-throughput compound screening** — dose-response and IC50 determination
- **Longitudinal & repeat-dose studies** — multiday exposure, washout, and recovery
- **Disease modeling** — human relevant platform across tissue types
- **Cancer research** — tumoroids and patient-derived organoids with relevant microenvironment
- **ADME / DMPK** — metabolic clearance, stability, and CYP studies
- **NAMs / animal-alternative testing** — 3Rs-aligned platform and infrastructure
- **Compatible with multiple cell types** — iPSC, patient derived, and immortalized cell lines

*Enabling the science behind better questions and faster answers.*

Evaluate the HTMP 192 in your next 3D cell culture experiment

