

CN-BIO



PhysioMimix[®]

Single-organ HT system



**Higher throughput,
earlier insights**

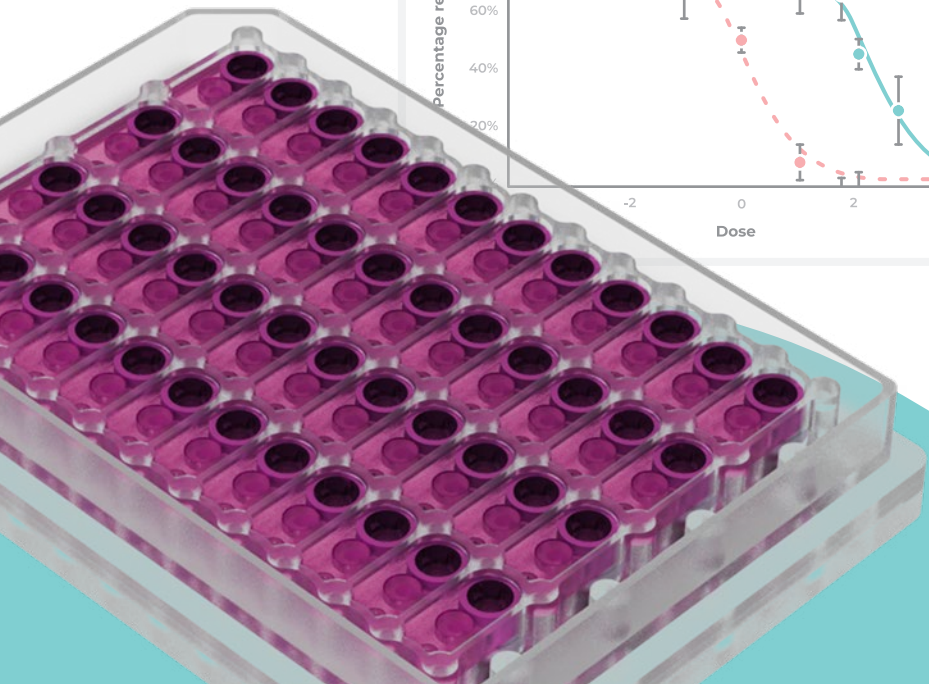
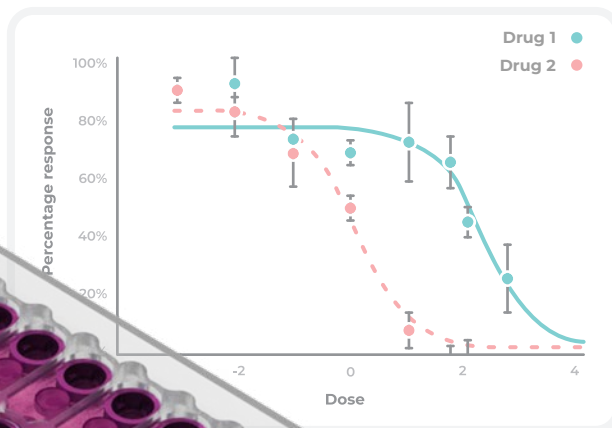


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PhysioMimix® Single-organ Higher Throughput (HT) System

Introducing the latest microphysiological system in our PhysioMimix OOC range - the PhysioMimix Single-organ Higher Throughput (HT) System and Multi-chip Liver-48 Plate.

Our next-generation technology overcomes three adoption limitations, cost/chip, throughput and data confidence so that you can benefit from human-relevant insights earlier than ever before.



“Our new game-changing HT system enables you to perform larger-scale comparative OOC studies for more confident decision-making”

Audrey Dubourg, Product Manager, CN Bio



Through the careful miniaturization of our well-characterized human liver model, which recapitulates the functionality and microarchitecture of the human liver, the solution facilitates larger-scale, yet cost-effective comparative drug screening. Providing 48 chips within one SBS-standard footprint, the Liver-48 plate easily supports in-plate replicates, controls and 7-point dose responses for data robustness/ reproducibility.

Enabling multi-plate experiments per system, this highly scalable solution brings game-changing throughput for predicting drug safety and efficacy in studies of the human liver. The Liver-48 can be deployed for a wide variety of applications including modelling Non-alcoholic steatohepatitis (NASH), Hepatitis B, drug-induced liver injury (DILI) and drug metabolism/hepatic clearance.

Higher throughput



6x
capacity*

144 chips / system / run
Greater capacity, earlier insights.

Data confidence



48
chips/plate

More replicates for greater data robustness
n=3 replicates. 7-point dose-response curves
Normalize data to controls

Cost-effective



~8x
reduction*

Reduced cost / sample
Alleviate adoption barriers

*versus single-chip alternatives

Resources hub

Dive deeper into our technology, its applications, and how its helping enhance the development of tomorrow's medicines around the world



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