



PhysioMimix®

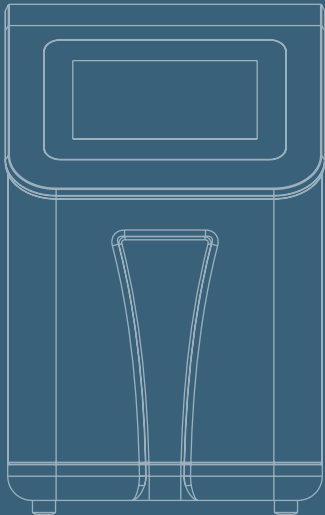
CN-BIO

CONSUMABLES & KITS

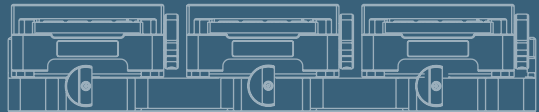
NASH-in-a-box



Fast-track your journey to
successful therapeutic development
with our *in vitro* 3D NASH model



NASH
IN-A-BOX



PhysioMimix[®] NASH-in-a-box

NASH-in-a-box contains everything you need to recreate our industry-validated *in vitro* human Non-Alcoholic Steatohepatitis (NASH) model in your own laboratory



The rapid adoption of organ-on-a-chip (OOC) and a NASH *in vitro* model



An all-in-one solution to fast-track NASH therapeutic development



High-content, clinically translatable data that unlocks the mechanism of drug action

Use NASH-in-a-box to address the limitations of traditional approaches and avoid unexpected results in the clinic

- PhysioMimix OOC compatible and fully supported
- Get started quickly with software-guided protocol
- Mimic the liver microarchitecture with 3D validated primary human hepatocytes, stellate & Kupffer cells
- Proprietary NASH media and supplements to induce NASH phenotypes
- Quality control assays to test microtissue health and function
- Validated for 14 days of culture
- 10-month shelf life (from manufacture)



Bridging the human relevance gap

	<i>In vitro</i> 2D cell culture	<i>In vitro</i> 3D spheroid	<i>In vivo</i> animal models	NASH-in-a-box
Human relevance	++	++	+	+++
Data content	LOW	MEDIUM	HIGH	HIGH
Model complexity	+	+	+++	++
Throughput	+++	+++	+	++
NASH phenotype	+	++	+	+++

What's in the box?



Media

Hepatocyte thawing media - 50 mL
 Basal media (HEP-Fat) - 500 mL
 Basal media (HEP-Stellate) - 250 mL
 Basal media (HEP-Seeding) - 250mL

Assay kits

Assaypro Human Albumin AssayMax ELISA Kit - 2 kits
 Promega CytoTox 96 Cytotoxicity (LDH) Assay Kit - 1 kit

PhysioMimix plates

Multi-chip Liver-12+ plate (MPS-LC12+)
 - 2 plates /24 replicates

Supplements

HEP- Supplement A - 5 x 2.5 mL
 HEP Supplement B - 1 x 250 µL
 HEP- Supplement C - 1 x 500 µL
 HEP- Supplement D - 1 x 500 µL
 Hydrocortisone - 5 x 5 µL
 TGF – Beta - 5 x 200 µL

Primary human cells

Hepatocytes - min 10 M cells
 Kupffer cells - min 1 M cells
 Stellate cells - min 100 K cells

Contact us should you require specific donor characteristics

Resources hub

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



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