



PhysioMimix[®]

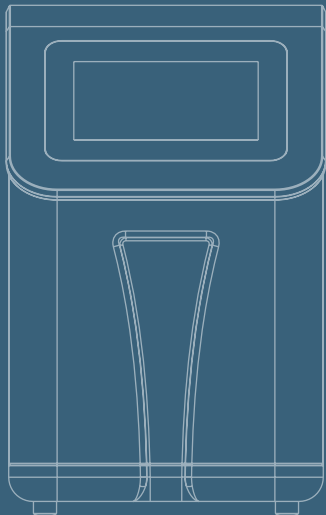
CN-BIO

CONSUMABLES

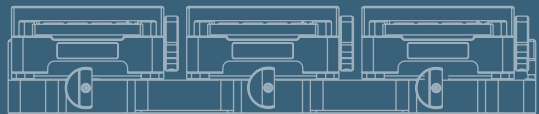
NASH-in-a-box



Fast-track your route 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 required 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 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
- Software-guided protocol
- 3D validated primary human hepatocytes, stellate, and Kupffer cells
- Proprietary NASH media and supplements
- ELISA quality control kits (albumin/ cytotoxicity) to test microtissue health and function
- Guaranteed for 14 days of culture
- 10-month shelf life (from manufacture)



Bridging the human relevance gap



Traditional 2D and 3D *in vitro* models



Human cells
Throughput



Limited NASH
phenotype
Low content

PhysioMimix NASH-in-a-box



Human
phenotype /
translatability
High content



Isolated / limited
system
Medium
throughput

In vivo animal models



Whole system
High content



Human
translatability
Low throughput

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 μ L
HEP- Supplement C - 1 x 500 μ L
HEP- Supplement D - 1 x 500 μ L
Hydrocortisone - 5 x 5 μ L
TGF - Beta - 5 x 200 μ L

Primary human cells

Hepatocytes - 2 vials (min 5M/vial)
Kupffer cells - 2 vials (min 500K/vial)
Stellate cells - 1 vial (min 100K /vial)

Contact us should you require
specific donor characteristics

Resources hub

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



Webinars



App notes



Posters



Scientific Papers



Brochures



SOPs

cn-bio.com/resources

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