



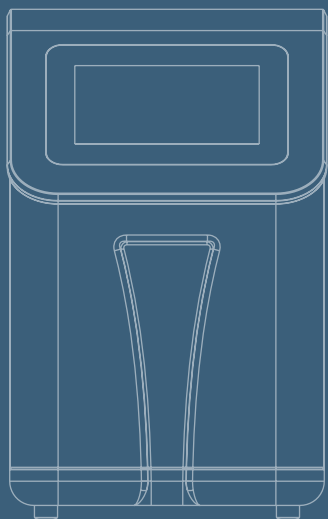
PhysioMimix<sup>®</sup>

CN-BIO

CONSUMABLES & KITS

# DILI assay kit: Human 24

Predict more complex,  
latent and immune-related  
hepatotoxicity *in vitro*



# The PhysioMimix® DILI assay kit: Human 24

The PhysioMimix DILI assay kit contains everything you need to recreate our FDA-recognized assay in your own laboratory



## Effortless adoption:

Easily and rapidly adopt the latest Organ-on-a-chip technology



**Proven solution:** Benefit from decades of expertise refined through years of industry collaboration



**All-in-one kit:** Instant access to high-quality validated cells and reagents to reliably reproduce our assay in your workflow



**Human relevance:** Provides a viable solution for new drug modalities with human-specific targets and pathways

## Bridge the knowledge gap between traditional *in vitro* and first-in-human studies

- **24-replicate kit:** profile 8 conditions in triplicate, including positive and negative controls
- **Complement *in vivo* studies:** human *in vitro* data flags potential, including immune response, to reduce reliance on animal models
- **Enhanced clinical translatability:** key biomarkers including ALT/AST, albumin, urea, and LDH
- **Unique Insights:** from 3D liver tissues, comprised of primary human hepatocytes and Kupffer cells, over 14 days of culture
- **Key metabolic enzyme expression:** including CYP enzymes
- **Mechanistic profiling:** large recoverable volumes of tissue and media for DILI pathway profiling

# How does our assay kit compare?

	Liver monolayer / spheroid	Animal model	PhysioMimix DILI assay
Human	✓	✗	✓
Human-relevant CYP activity	✗	✗	✓
Mechanistic toxicity	✗	✓	✓
Advanced drug modalities	+	+	+++
Throughput	+++	+	++
Cost	\$	\$\$\$	\$\$

## What's in the assay kit?

### PhysioMimix plates

Liver-12+ plates - 2 plates with 24 replicates

### Media

Liver Basal A Media - 150 mL

Liver Basal B Media - 500 mL

Thawing Media - 50 mL

### Primary human cells

Primary Human Hepatocytes - 2 vials

Kupffer cells - 2 vials

### Supplements

Supplement I - 7 x 10 µL

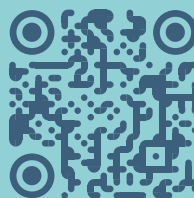
Positive Control - 4 x 50 µL

Negative Control - 4 x 50 µL

Contact us if you require specific donor characteristics or pooled donors



Watch our video and learn more about our PhysioMimix® DILI assay kit: Human 24



[cn-bio.com/dili-kit](https://cn-bio.com/dili-kit)

# Resources hub

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