



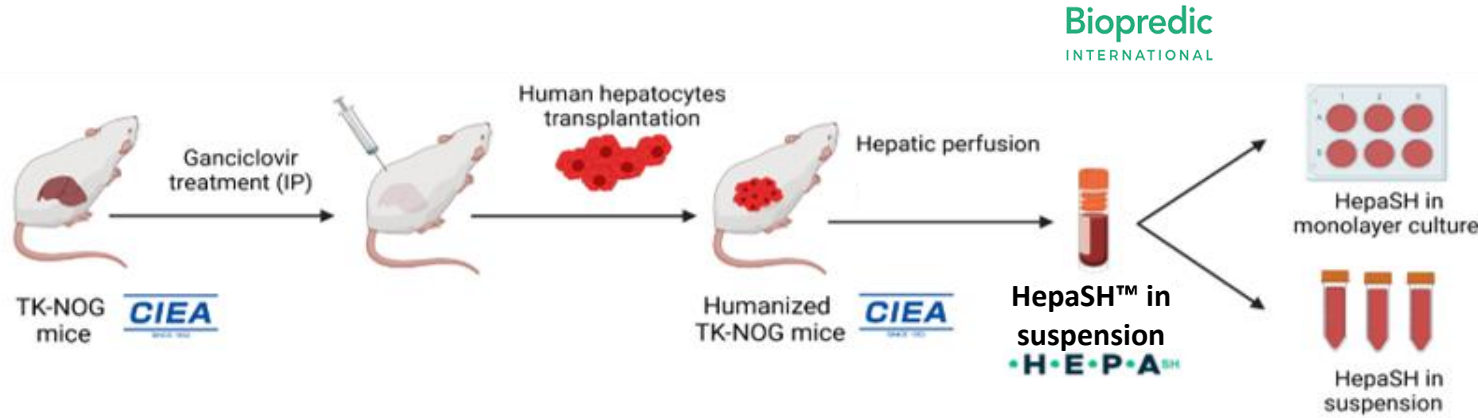
# Fresh Suspended Ready-to-plate HepaSH™

Product overview  
(FS RTP HepaSH™ FSSH00X)

Powered by CIEA  
Marketed WW by Biopredic International



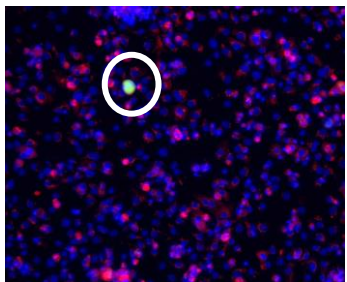
# HepaSH™ Technology



- Sustainability
- Consistency
- Robustness
- Functional performance
- Long-Term Viability
- Multidonor set
- Zero stock policy
- Data base

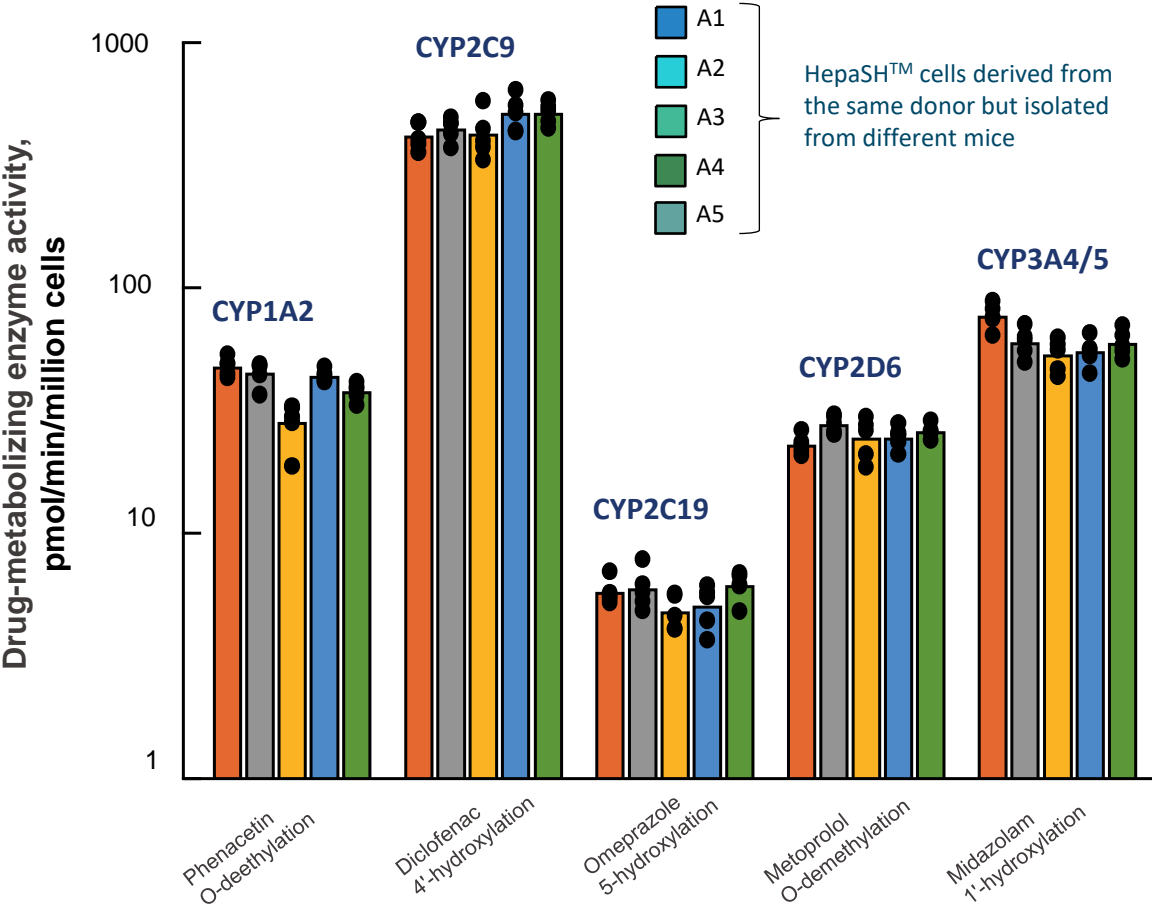
## High ratio of human/mouse cells in HepaSH™

-	Donor 1	Donor 2	Donor 3
Human hepatocytes	99%	99%	98 %
Murine cells	1%	0.9%	0.8 %

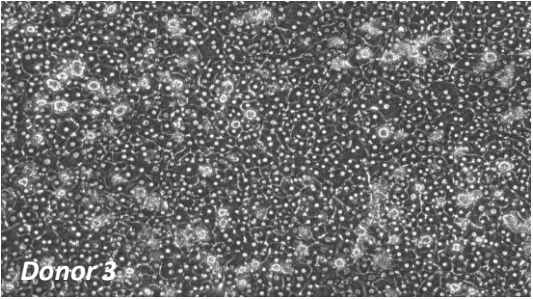
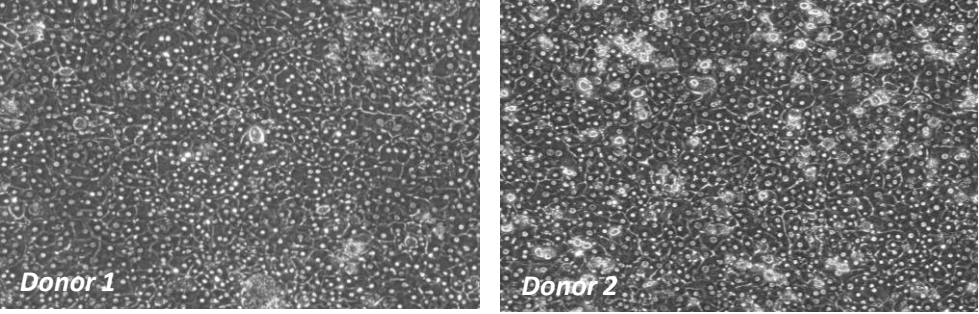


HepaSH™ day1 (x10)

# HepaSH™ : Standardization Technology

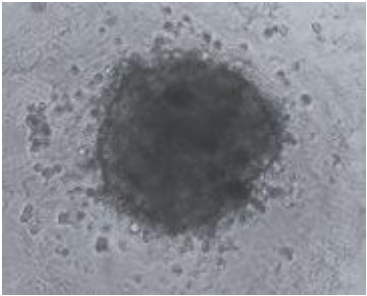
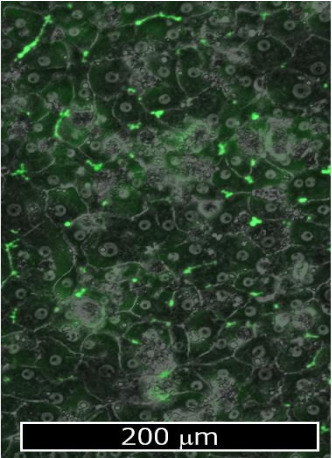


# HepaSH™ Morphology and Life Style



Uehara, S, 2023

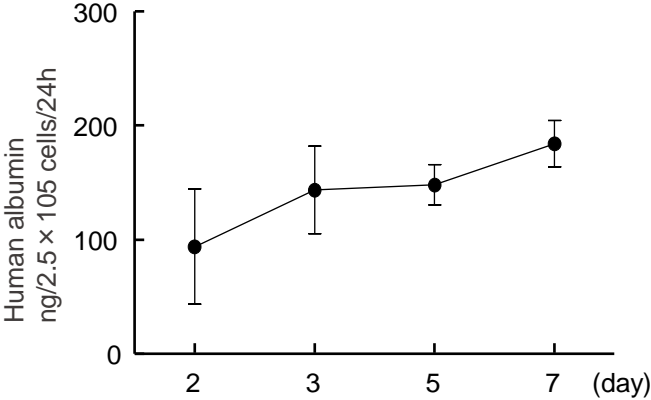
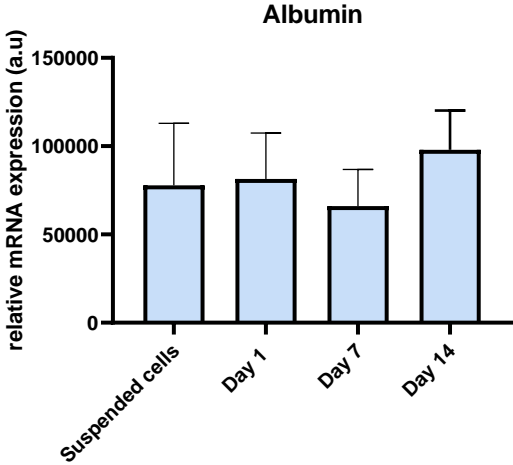
2D monoculture HepaSH™



Sandwich cultured HepaSH™      HepaSH™ spheroids

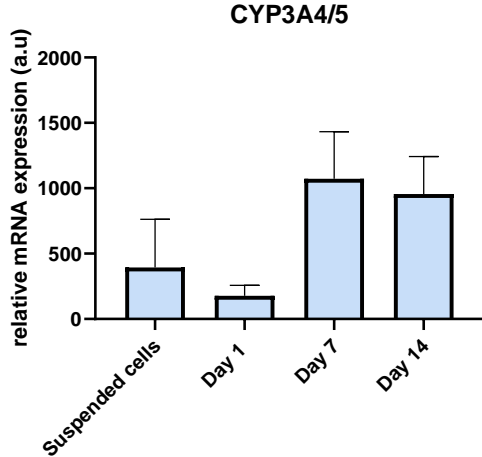
Zerdoug, A, unpublished data

## Hepatic markers expression

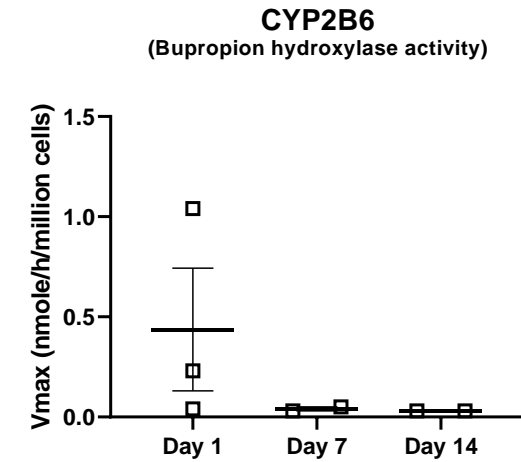
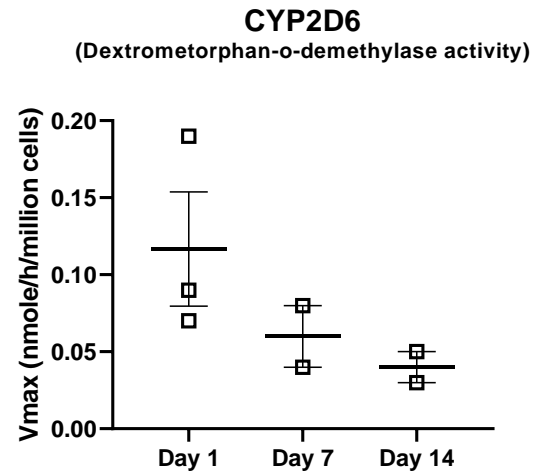
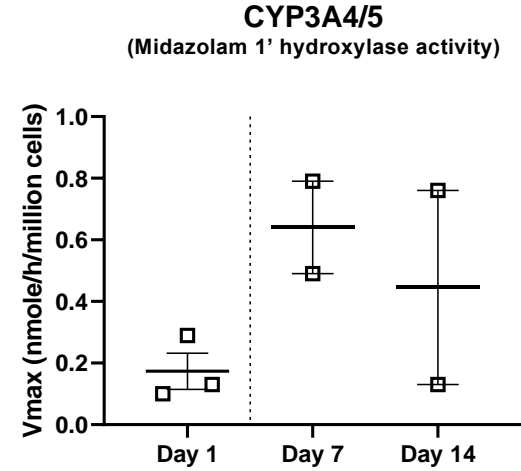
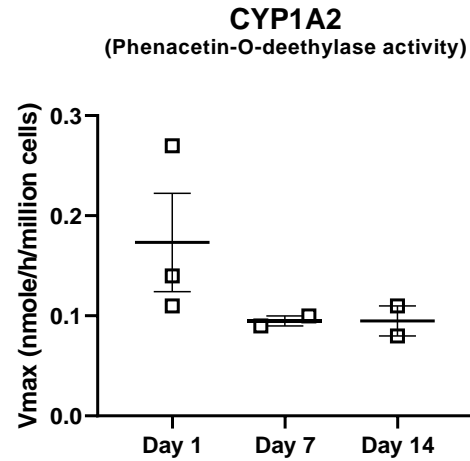


Uehara, S, 2023

n= 3 HepaSH batches from 3 different donors



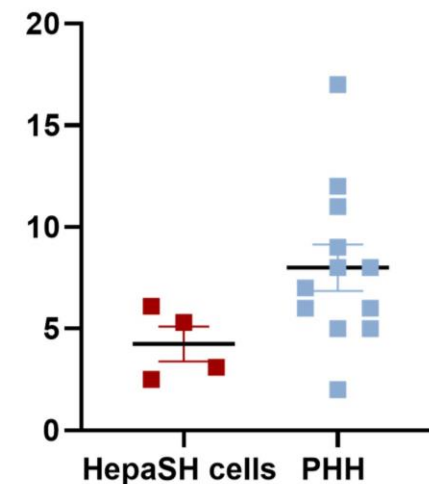
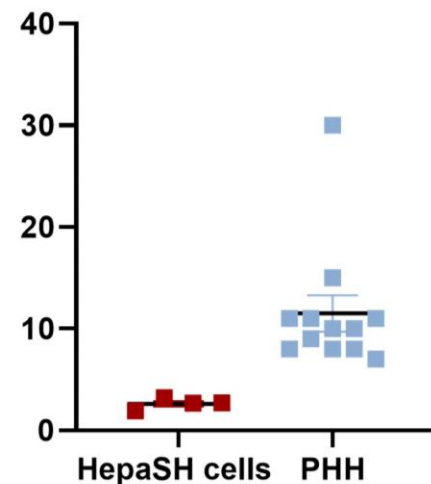
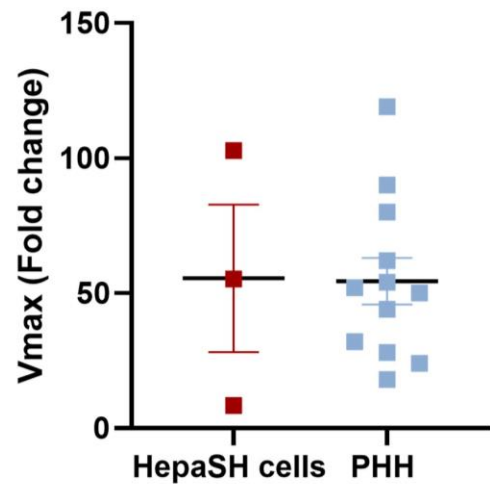
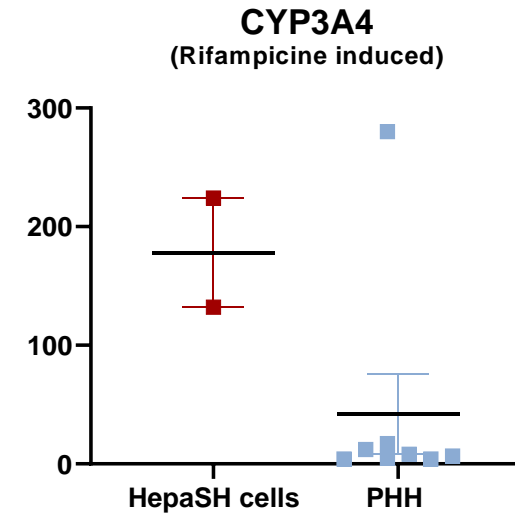
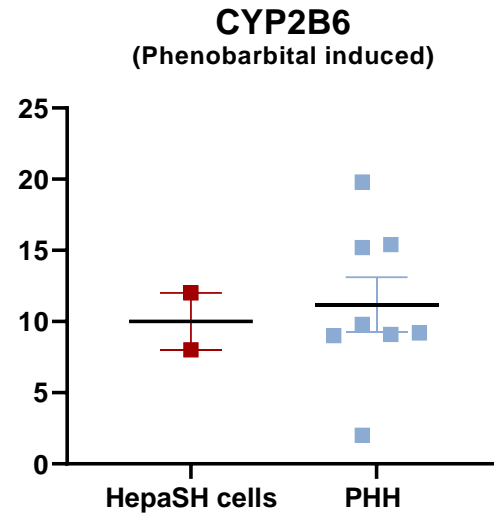
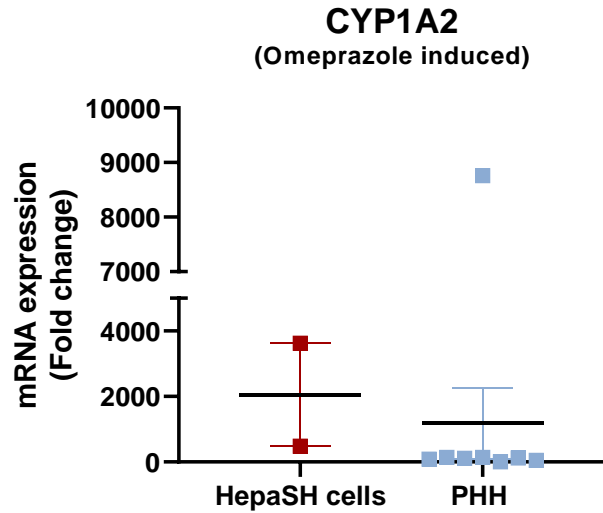
# HepaSH™ : Metabolically Competent HH



N=3 HepaSH™ batches from 3 different donors

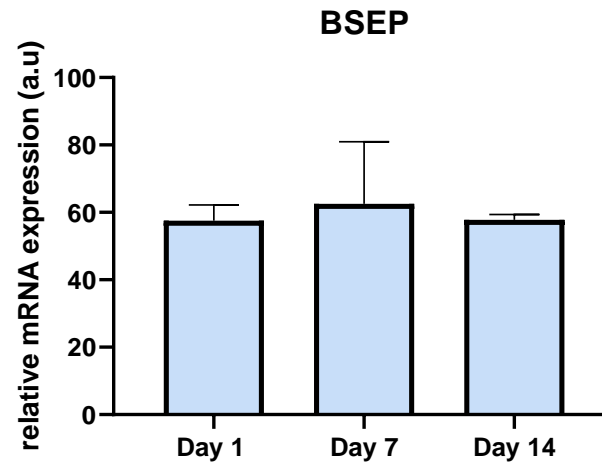
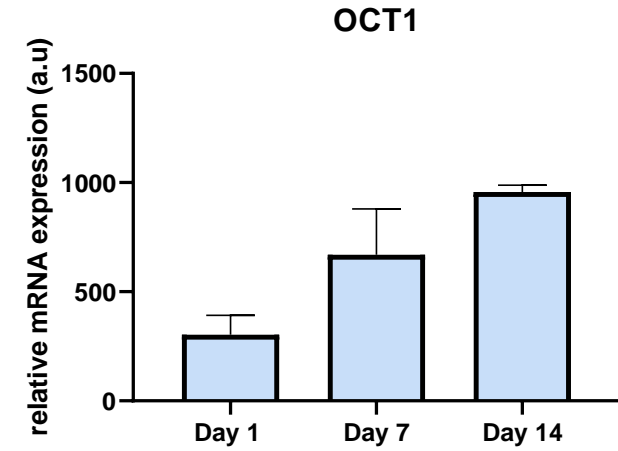
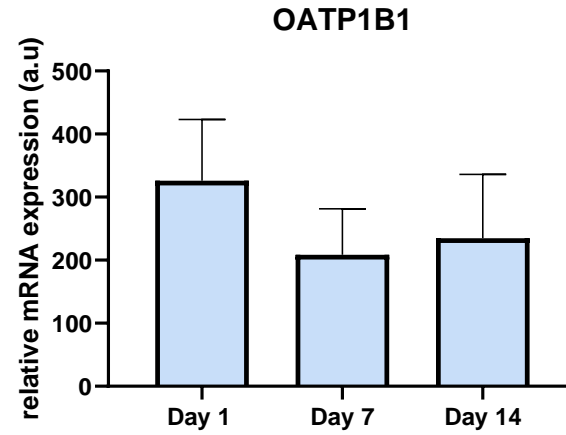
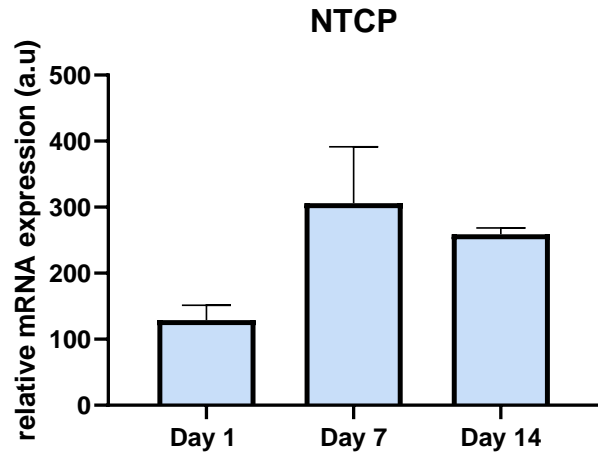
*Zerdoug, A, unpublished data*

# HepaSH™ : CYP Inducibility



3-day induction starting D1 of culture  
*Zerdoug, A, unpublished data*

# HepaSH™ : Transporters



N=3 HepaSh batches from 3 different donors

*Zerdoug, A, unpublished data*

# FS RTP HepaSH™ packaging and specifications



FSH001:  $5 \cdot 10^6$  cell/vial → 1x 96-multi well plate



Provided as fresh suspended hepatocytes



Can be maintained for up to 14 days in 2D culture



### 3 donors available as of now

Donor 1: Female, Caucasian, 12 years old

Donor 2: Male, Caucasian, 3 months

Donor 3: Male, African, 31 years old



2 production sessions/month



William E- based cell culture medium



Our commitments: cell viability, number of viable cells, human cell percentage, sterility







**Biopredic**  
INTERNATIONAL

