

**MHCP-I Mouse Hepatocytes Cryopreserved Plateable for Induction assays**  
**Cell Specification – Certificate of Analysis (CoA)**

Lot B6-MH0314202401 (Pool of 24)

Batch Release: August 14, 2026

**Donor data**

Species: Mouse (*mus musculus*)  
Strain: C57BL/6

Gender: male  
Age: approx. 2 months

**Cryopreservation and Thawing**

**Thawing:** n=2

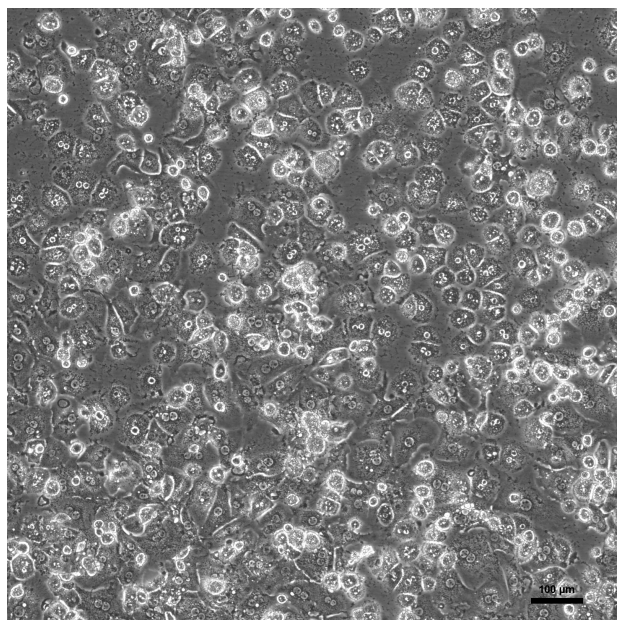
Post-thaw viability:  $86.5 \pm 0.9 \%$

Post-thaw yield per vial:  $6.1 \pm 0.3 \times 10^6$  cells

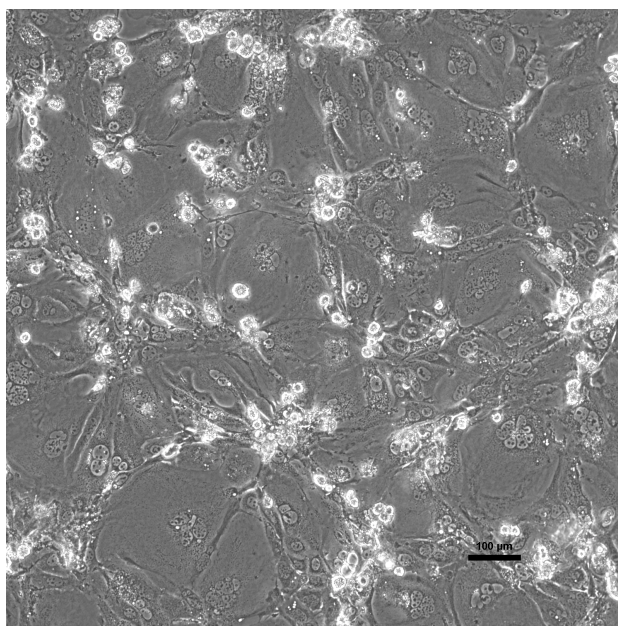
Recovery: 47 %

**2D culture**

Phase contrast on day 1 after thawing  
(24well plate)



Phase contrast on day 4 after thawing  
(24well plate)



Recommended seeding density on Corning collagen-coated plates:

24well plate – 160,000 cells/well

Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in 2D culture after thawing:

Ethoxyresorufin-O-deethylation:

Induction with 12,5 µM β-Naphthoflavone for 72 h

pmol/ (mg × min)

24well:  $34.1 \pm 1.7$

X-fold induction

4.1

### Suspension culture

Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 37 °C with  $0.5 \times 10^6$  cells in 0.5 ml HPM-Cryo):

| Time (h)      | 0    | 1    | 2    | 3    |
|---------------|------|------|------|------|
| Viability (%) | 87.3 | 79.8 | 67.0 | 64.5 |

Note: Yield, viability, recovery and activity assays were performed at PRIMACYT using PRIMACYT's manual for thawing, plating and culture of primary cryopreserved hepatocytes.

### Store at -150 °C or in the vapour phase of LN<sub>2</sub>

This product should be considered as potential biohazard. Only intended for *in vitro* use.

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