

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

Lot B6-MH0313202401 (Pool of 24)

Batch Release: August 17, 2026

Donor data

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

Gender: male
Age: approx. 2 months

Cryopreservation and Thawing

Thawing: n=2

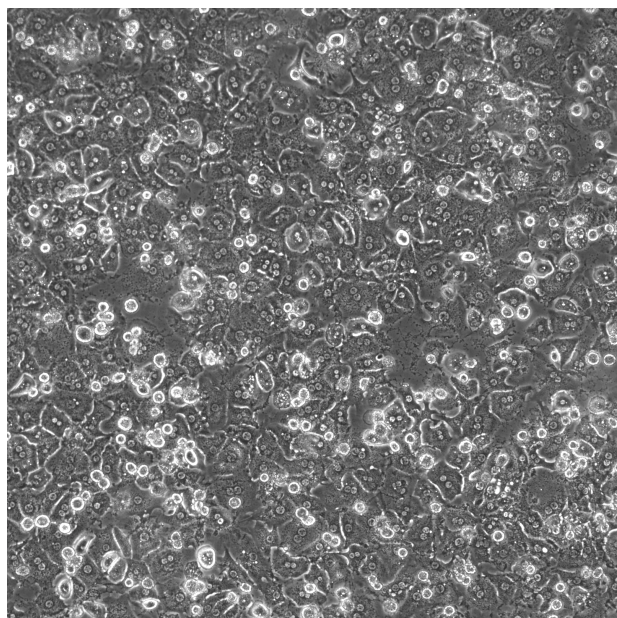
Post-thaw viability: $85.6 \pm 0.2 \%$

Post-thaw yield per vial: $7.8 \pm 0.3 \times 10^6$ cells

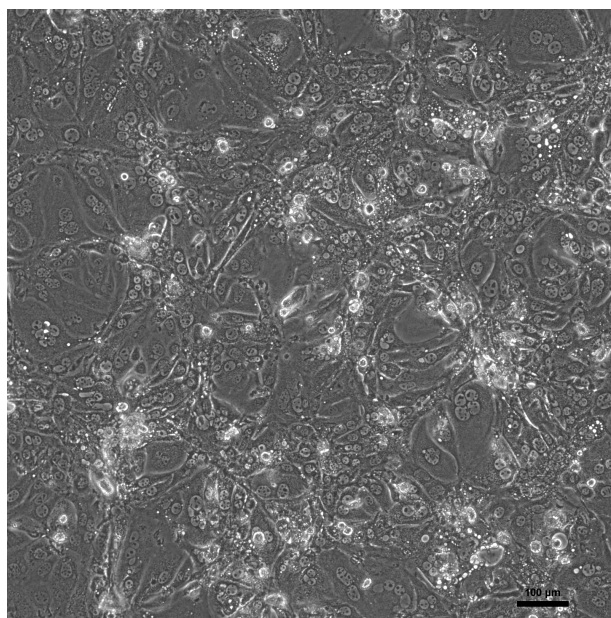
Recovery: 60 %

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 18 µM β-Naphthoflavone for 72 h

pmol/ (mg × min)

24well: 23.3 ± 3.5

X-fold induction

4.0

Suspension culture

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

Time (h)	0	1	2	3	4	5
Viability (%)	85.4	72.3	75.4	77.5	63.7	67.5

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 LN₂

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

Issued by: A. Ullrich

Verified by: J. Schuldt