

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

Lot MH0119202401 (Pool of 20)

Batch Release: August 25, 2026

Donor data

Species: Mouse (*mus musculus*)
Strain: CD-1

Gender: male
Age: approx. 2 months

Cryopreservation and Thawing

Thawing: n=3

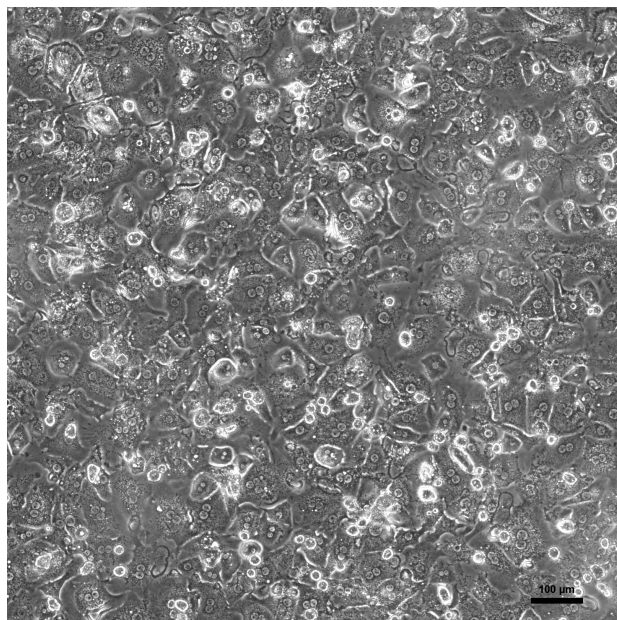
Post-thaw viability: $91.6 \pm 1.0 \%$

Post-thaw yield per vial: $5.1 \pm 1.4 \times 10^6$ cells

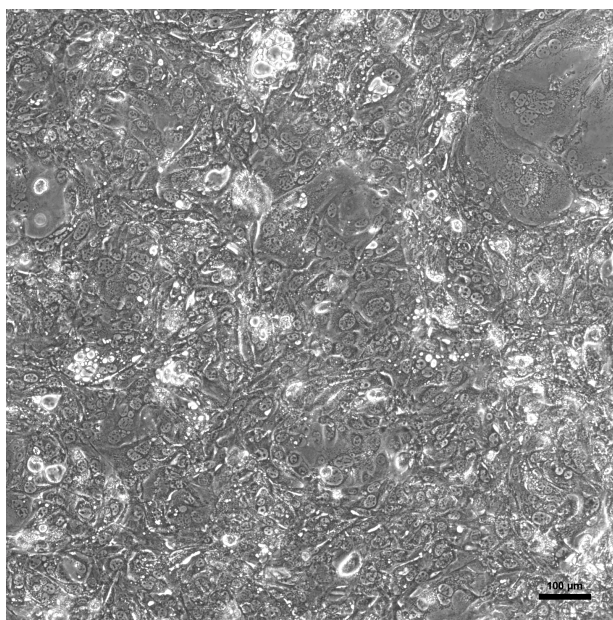
Recovery: 39 %

2D culture

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



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



Recommended seeding density on Greiner collagen-coated plates:

24well plate – 160,000 cells/well

Culture in Human Hepatocyte Maintenance Medium (HHMM).

Note: Gently shake the plate (N/S-E/W) every 30 minutes for 2 hours after plating (only 24well plate and bigger wells). This step has a positive effect on the uniform plating.

CYP P450 activity in 2D culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 18 μ M β -Naphthoflavone for 72 h	pmol/ (mg $\times$ min) 24well: 38.4 $\pm$ 0.03	X-fold induction 4.7
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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: J. Schuldt

Verified by: A. Ullrich