

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

Lot MH240319 (Pool of 7)

Batch Release: April 24, 2024

**Donor data**

Species: Mouse (*Mus musculus*)  
Strain: Swiss CD-1 // RjOrl:SWISS

Gender: 7 males  
Age: approx. 2.5 months

**Cryopreservation and Thawing**

**Cryopreservation:**

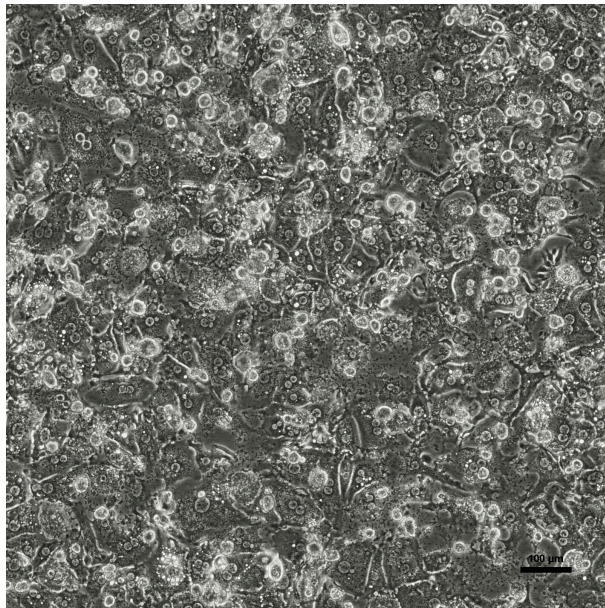
Date: Mar 19, 2024  
Amount per vial:  $7.1 \times 10^6$  cells

**Thawing:** n=1

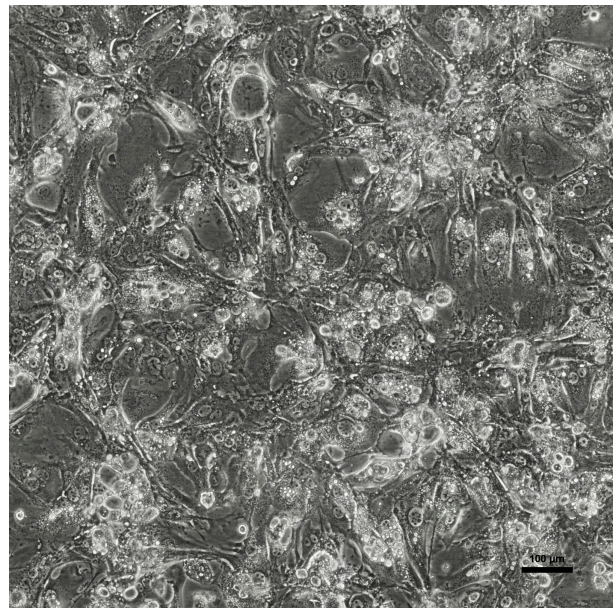
Post-thaw viability: 82.6 %  
Post-thaw yield per vial:  $3.0 \times 10^6$  cells  
Recovery: 42.3 %

**2D culture**

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



Phase contrast on day 3 after thawing  
(24well plate)



Recommended seeding density on collagen-coated plates:  
24well plate – 120,000 cells/well // 96well plate – 25,000 cells/well  
Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in 2D culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 25 µM β-Naphthoflavone	pmol/(mg × min) 24well: 11.38 ± 1.04	X-fold induction 3.8
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### Suspension culture

Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 37 °C with 0.5 x 10<sup>6</sup> cells in 0.5 ml HPM-Cryo):

Time (h)	0	0.5	1	1.5	2	3	4
Viability (%)	82.6	69.1	66.5	62.4	64.0	58.7	54.3

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.

### Detailed animal information and husbandry conditions

Species	Mouse (Mus musculus)
Strain	Swiss CD-1 (RjOrl:SWISS)
Vendor	Janvier Labs, Saint Berthevin Cedex, France
Food	Altromin Maintenance diet for rats/mice (ad libitum), Altromin, Lage, FRG
Water	ad libitum
Light/Dark cycle	regulated day/night cycle using artificial and natural light, 10-14 hours light daily
Temperature	20-24 °C
Humidity	40-70 %
Bedding	Hugro hemp bedding, Saerbeck, FRG
Cage	Tecniplast Eurostandard Type III and Type IV incl. behavioural enrichments for the animals

Animals were housed under veterinary control and allowed to acclimate ≥ 7 days before use. Animal housing permits according to §11 Abs. 1 TSchG, dated March 22, 2022 under supervision of Veterinary Office of Landkreis Ludwigslust/Parchim, FRG. Hepatocytes were obtained from a non-infectious, non-contagious, healthy animal. The animal does not originate from a facility conducting work or research with animal pathogens.

Issued by: A. Sattler	Verified by: K. Damrau
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