

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

Lot MH220119

Batch Release: July 03, 2023

**Donor data**

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

Gender: female  
Age: approx. 1 year

**Cryopreservation and Thawing**

**Cryopreservation:**

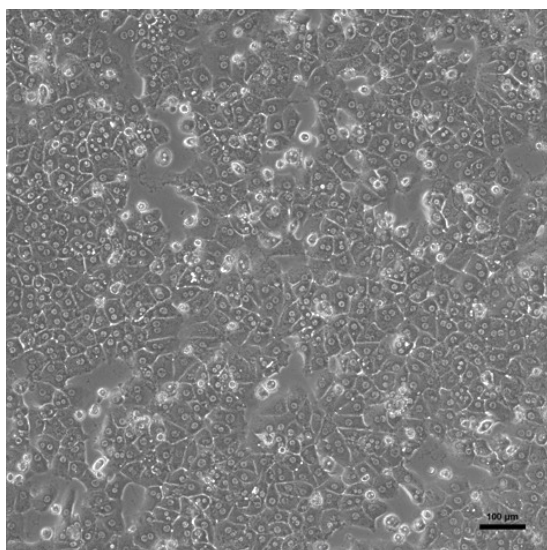
Date: Jan 19, 2022  
Amount per vial:  $6.8 \times 10^6$  cells

**Thawing:**

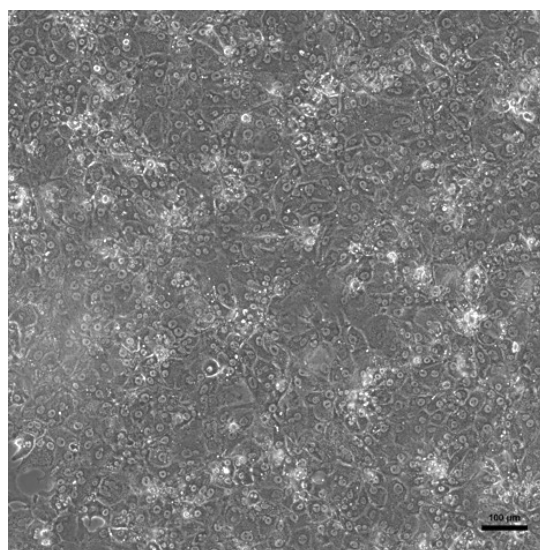
Post-thaw viability: 61.1 %  
Post-thaw yield per vial:  $3.5 \times 10^6$  cells  
Recovery: 50.9 %

**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

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:  $6.5 \pm 0.01$

X-fold induction

1.4

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	CD-1, IGS (International Genetic Standard), RjOrl:SWISS
Vendor	Janvier-Labs, Le Genest-Saint-Isle, France
Food	Altromin Maintenance diet for rats/mice (ad libitum), Altromin, Lage, FRG
Water	ad libitum
Light/Dark cycle	07:00-19:00 light / 19:00-07:00 dark (12 hours light/dark)
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  $\geq 7$  days before use. Animal housing permits according to §11 Abs. 1 TSchG, dated March 20, 2017 and 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: M. Thiede

Verified by: K. Damrau