

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

Lot MH210908-1

Batch Release: September 30, 2021

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

Gender: male
Age: approx. 2.5 months

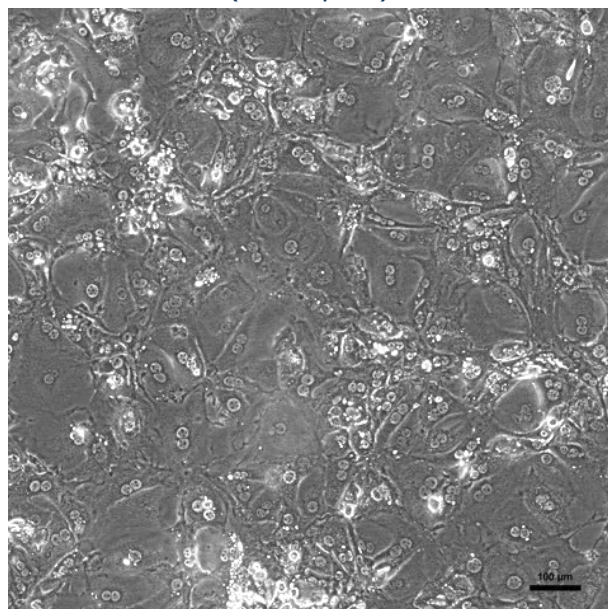
Cryopreservation:

Date: September 08, 2021
Amount per vial: 6.3×10^6 cells

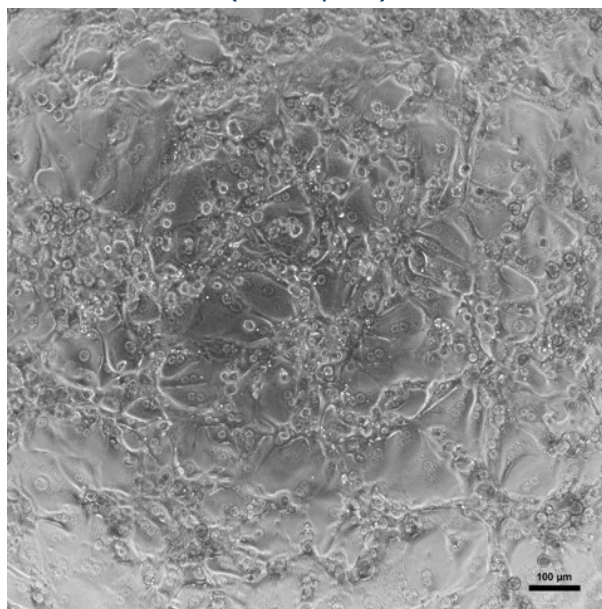
Thawing:

Post-thaw viability: 87.5 %
Post-thaw yield per vial: 3.64×10^6 cells
Recovery: 57.8 %

Phase contrast on day 2 after thawing
(24well plate)



Phase contrast on day 2 after thawing
(96well plate)



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

CYP P450 activity in culture after thawing:
Ethoxyresorufin-O-deethylation:
Induction with 25 µM β -Naphthoflavone

pmol/(mg \times min)
96well: 5.84 ± 0.57

X-fold induction
2.2

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.

Detailed animal information and husbandry conditions

| | |
|-------------------|---|
| Species: | Mouse (<i>Mus musculus</i>) |
| Strain: | CD-1, IGS (International Genetic Standard) |
| Vendor: | Charles River Germany GmbH & Co. KG, Sulzbach, FRG |
| Food: | Altromin Maintenance diet for rats and 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: | Techniplast Eurostandard Type III and Type IV including behavioural enrichments for the animals |

Animals were housed under veterinary control and allowed to acclimate ≥ 7 days before use. Animal housing permit according to §11 Abs. 1 TSchG, dated March 20, 2017 under supervision of Veterinary Office of Landkreis Ludwigslust/Parchim, FRG. Hepatocytes were obtained from non-infectious, non-contagious, healthy animals.

Issued by J. Krinitskij

Verified by A. Ullrich