

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

Lot MH191028

Batch Release: December 16, 2020

Species: CD-1 Mouse

Gender: female

Age: approx. 2 months

Cryopreservation:

Date: Oct 28, 2019

Amount per vial: 7.0×10^6 cells

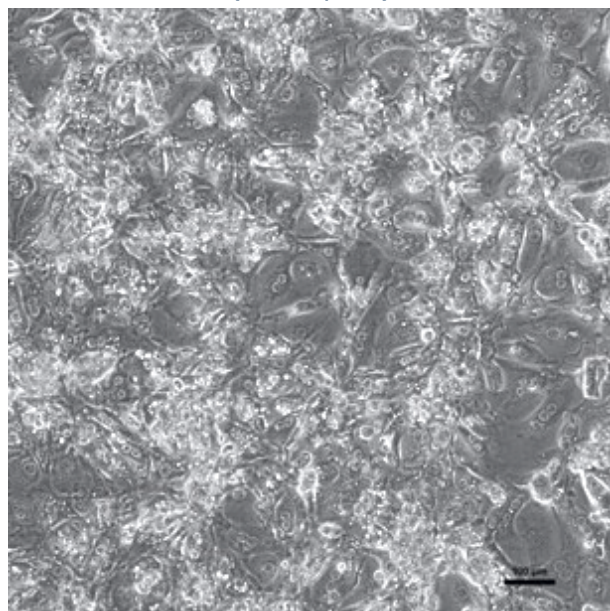
Thawing: n=1

Post-thaw viability: 76.7 %

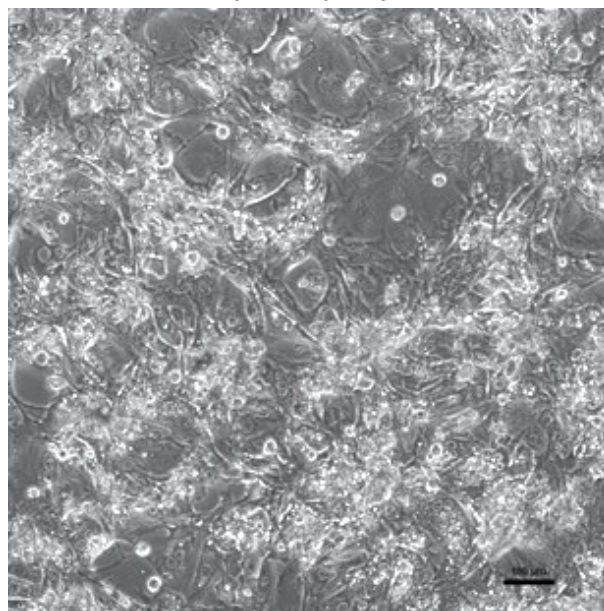
Post-thaw yield per vial: 2.8×10^6 cells

Recovery: 40 %

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



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



Recommended seeding density on Corning collagen-coated plates:

24well plate – 170,000 cells/well // 96well plate - 30,000 cells/well

Culture in Mouse Hepatocyte Medium (MHM).

CYP P450 activity in culture after thawing:

Ethoxyresorufin-O-deethylation:

Induction with 25 µM β -Naphthoflavone

pmol/(mg \times min)

24well: 11.8 ± 3.3

96well: 45.6 ± 12.9

X-fold induction

3.4

4.2

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 M. Thiede

Verified by Claudia Garve