

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

Lot HH180403

Batch Release: May 12, 2023

Donor data

Species: Human

Gender: male

Age: 55 years

Diagnosis: Hepatic metastases
Medical History: N/A

Medication: N/A

Serology: HBV, HCV, HIV 1/2: negative

Cryopreservation and Thawing

Cryopreservation:

Date: Apr 03, 2018

Amount per vial: 9.8×10^6 cells

Thawing:

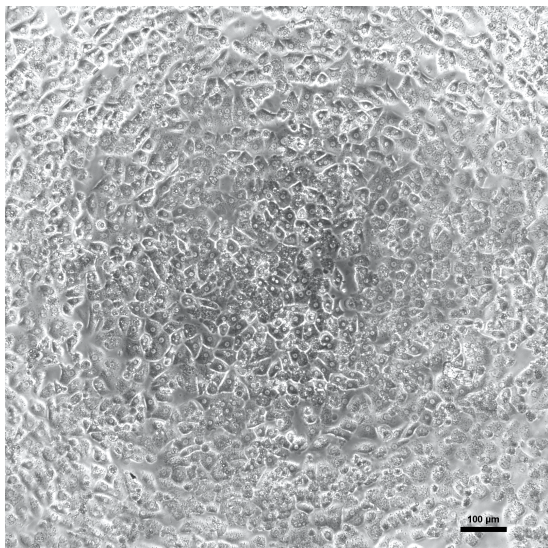
Post-thaw viability: 94.3 %

Post-thaw yield per vial: 1.66×10^6 cells

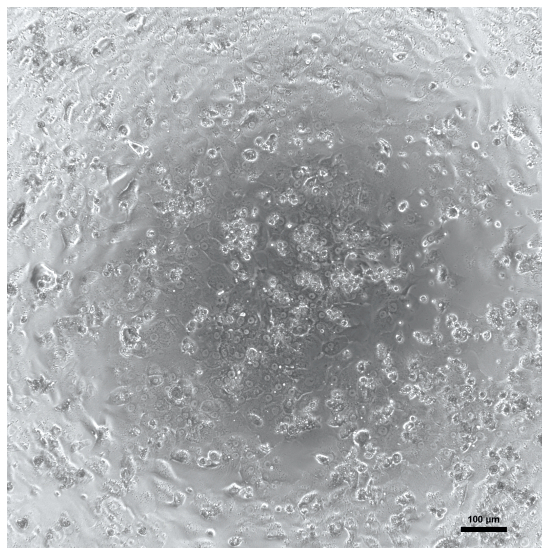
Recovery: 16.9 %

2D culture

Phase contrast on day 1 after thawing
(96well plate)



Phase contrast on day 3 after thawing
(96well plate)



Recommended seeding density on Greiner collagen-coated plates:
96well plate – 90,000 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) 96well: 143.9 ± 85.1	X-fold induction 4.7
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Suspension culture

Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 37 °C with 0.5 x 10⁶ cells in 0.5 ml HPM-Cryo):

Time (h)	0	1	2
Viability (%)	94.3	79.6	65.5

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: M. Thiede	Verified by: T. Krimmling
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