

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

Lot CH220929-2

Batch Release: March 27, 2023

Donor data

Species: *Macaca fascicularis*

Gender: male

Age: 3 years 6 months

Serology: negative for Herpes B virus, SRV, SIV, STLV-1, Filovirus (Ebola-like)

Cryopreservation and Thawing

Cryopreservation:

Date: Sept 29, 2022

Amount per vial: 10.0×10^6 cells

Thawing: n=1

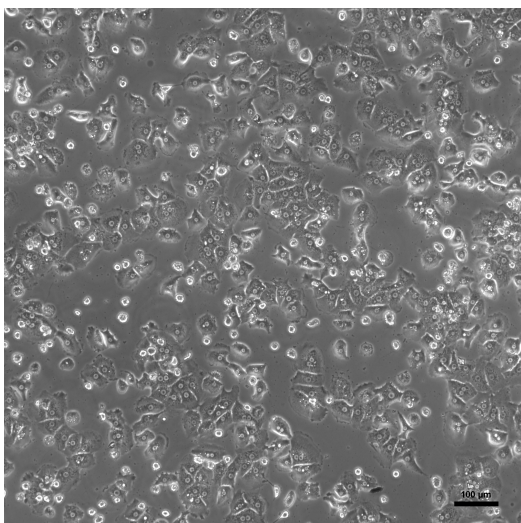
Post-thaw viability: 85.4 %

Post-thaw yield per vial: 6.9×10^6 cells

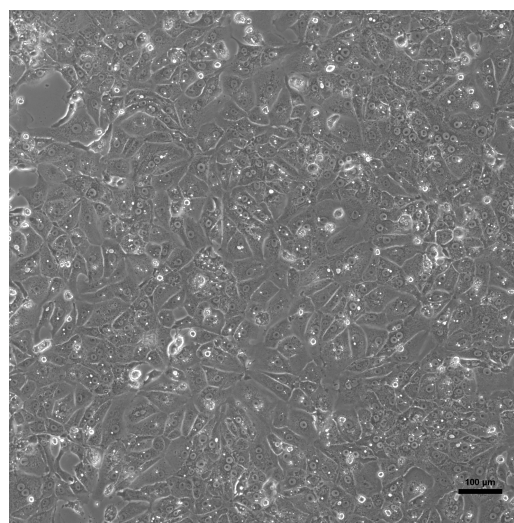
Recovery: 69 %

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 – 400,000 cells/well // 96well plate – 90,000 cells/well

Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in 2D culture after thawing:

pmol/(mg × min)

X-fold induction

Ethoxyresorufin-O-deethylation:

24well: 45.2 ± 9.9

8.0

Induction with 25 µM β-Naphthoflavone

96well: 66.8 ± 23.4

4.0

Suspension culture

Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 37 °C with 0.5×10^6 cells in 0.5 ml HPM-Cryo):

Time (h)	0	1	2
Viability (%)	85.4	73.3	76.1

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: A. Ullrich

Verified by: K. Damrau