

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

Lot CH130522

Batch Release: July 12, 2013, update April 18, 2023

Donor data

Species: *Macaca fascicularis*

Gender: male

Age: 4 years 3 months

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

Cryopreservation and Thawing

Cryopreservation:

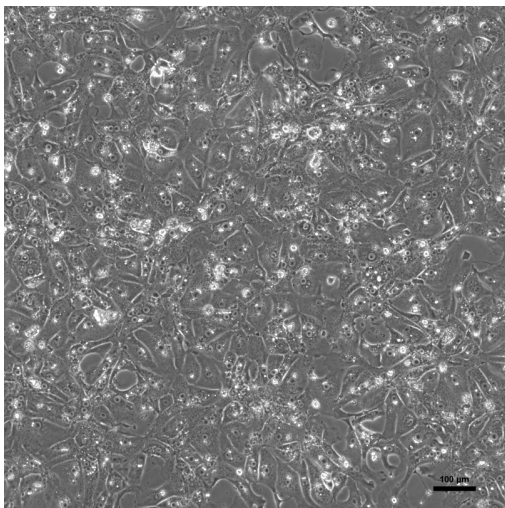
Date: May 22, 2013
Amount per vial: 10.0×10^6 cells

Thawing: n=4

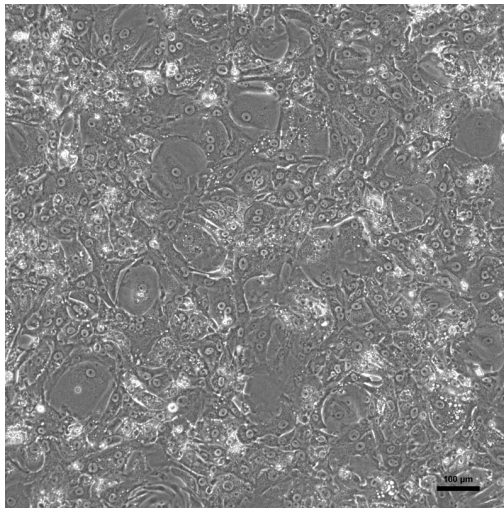
Post-thaw viability: 89.0 ± 4.4 %
Post-thaw yield per vial: $7.9 \pm 1.0 \times 10^6$ cells
Recovery: 79 %

2D culture

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



Phase contrast on day 7 after thawing
(24well plate)



Recommended seeding density on collagen-coated plates:

24well plate – 400,000 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: 79.7 ± 10.5

X-fold induction
7.1

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
Viability (%)	92.7	70.5

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: A. Ullrich

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