

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

Lot CH241115

Batch Release: January 09, 2025

Donor data

Species: *Macaca fascicularis*

Gender: male

Age: 4 years 7 months

Cryopreservation and Thawing

Cryopreservation:

Date: November 15, 2024

Amount per vial: 9.9×10^6 cells

Thawing: n=1

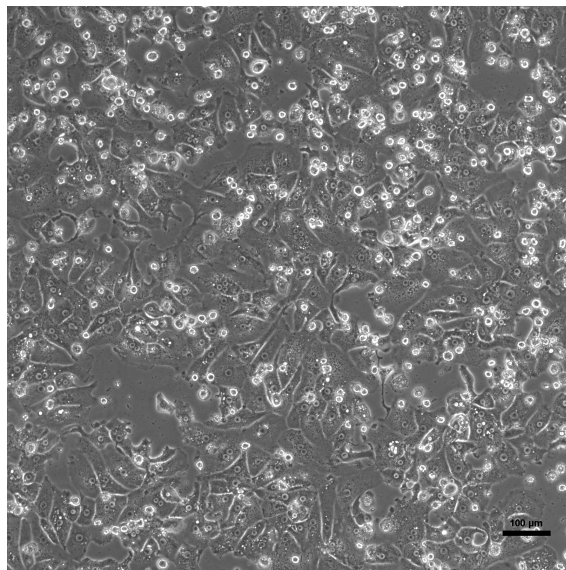
Post-thaw viability: 93.6 %

Post-thaw yield per vial: 6.17×10^6 cells

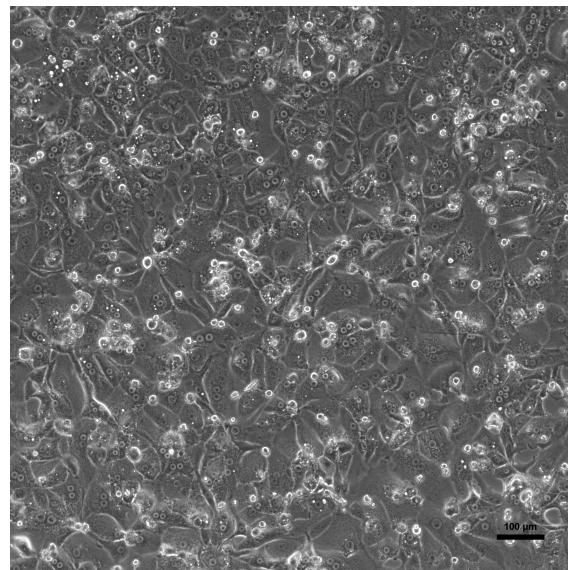
Recovery: 62.3 %

2D culture

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



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



Recommended seeding density on collagen-coated plates:

24well plate – 300,000 cells/well // 96well plate – 60,000 cells/well.

Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in 2D culture after thawing:

pmol/ (mg × min)

X-fold induction

24well: 18.0 ± 0.1

3.4

Ethoxyresorufin-O-deethylation:

96well: 23.4 ± 2.1

2.5

Induction with 25 µM β-Naphthoflavone

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	3	4
Viability (%)	93.6	77.0	57.3	54.5	41.4

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.

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