

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

Lot CH250612

Batch Release: July 23, 2025

Donor data

Species: *Macaca fascicularis*

Gender: male

Age: 7 years

Serology: negative for Herpes B virus, SRV, SIV, STLV-1

Cryopreservation and Thawing

Cryopreservation:

Date: June 12, 2025

Amount per vial: 10×10^6 cells

Thawing: n=1

Post-thaw viability: 97.8 %

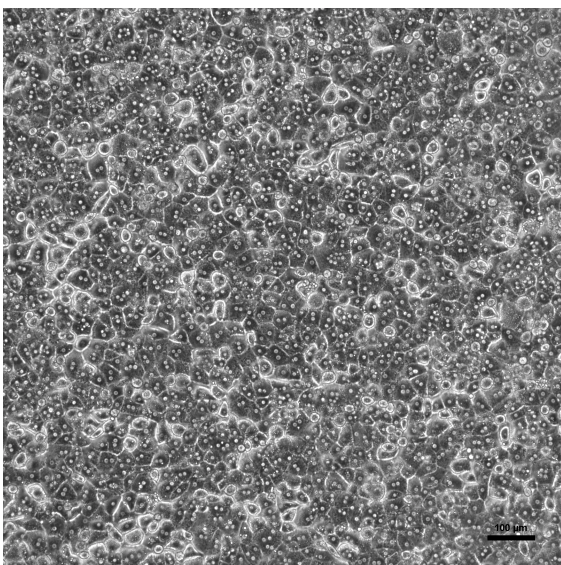
Post-thaw yield per vial: 6.2×10^6 cells

Recovery: 61.9 %

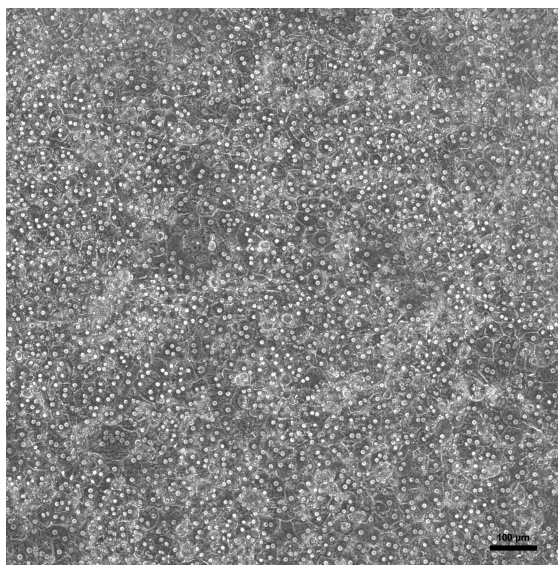
Only one spin required. No washing step.

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).

Note: Gently shake the plate (N/S-E/W) every 30 minutes for 2 hours after plating (only 24well plate and bigger wells). This step has a positive effect on the uniform plating.

CYP P450 activity in 2D culture after thawing:	pmol/ (mg × min)	X-fold induction
Ethoxyresorufin-O-deethylation:	24well: 58.8 ± 3.1	12.7
Induction with 25 µM β-Naphthoflavone	96well: 81.9 ± 4.3	15.9

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	3	4	5
Viability (%)	97.8	95.3	96.9	89.7	91.3	92.1

Note: Yield, viability, recovery and activity assays were performed at PRIMACYT using PRIMACYT's manual for thawing, plating and culture of primary cryopreserved hepatocytes.

Note for thawing process: Only one spin at 100 x g, 10 min., 20 °C is required. No washing step needed.

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. Alkufairi

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