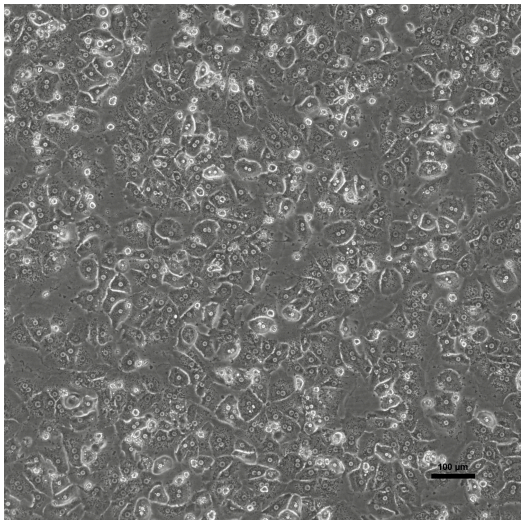
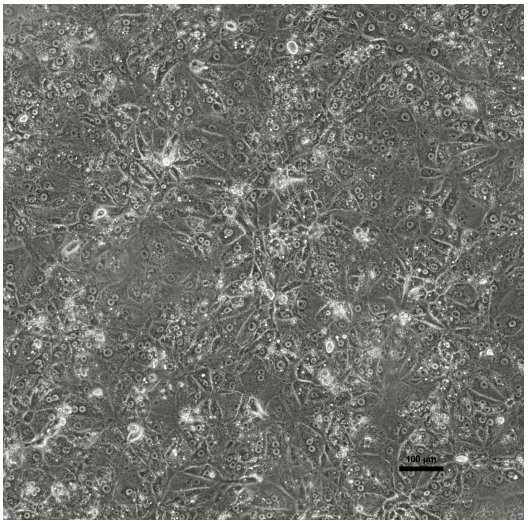
PRIMACYT
Cell Culture Technology

CHCP-I Cynomolgus Hepatocytes Cryopreserved Plateable for Induction Assays **Cell Specification – Certificate of Analysis (CoA)**	
Lot CH121212-1	Batch Release: July 28, 2023

Donor data	
Species: Macaca fascicularis	Gender: male Age: 3 years 6 months
Serology: negative for SRV, SIV, STLV-1, Filovirus (Ebola-like)	

Cryopreservation and Thawing	
Cryopreservation: Date: Dec. 21, 2012 Amount per vial: 10 x 10^6 cells	**Thawing:** n=1 Post-thaw viability: 97 % Post-thaw yield per vial: 7.16 x 10^6 cells Recovery: 71.6 %

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 Culture in Human Hepatocyte Maintenance Medium (HHMM).	

CYP P450 activity in 2D culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 25 µM ß-Naphthoflavone	pmol/ (mg × min) 24well: 14.33 ± 2.15	X-fold induction 3.2

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

Time (h)	0	1	2	3	4	5
Viability (%)	97	94.0	93.5	93.8	96.3	95.4

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 LN_2

This product should be considered as potential biohazard. Only intended for *in vitro* use.

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