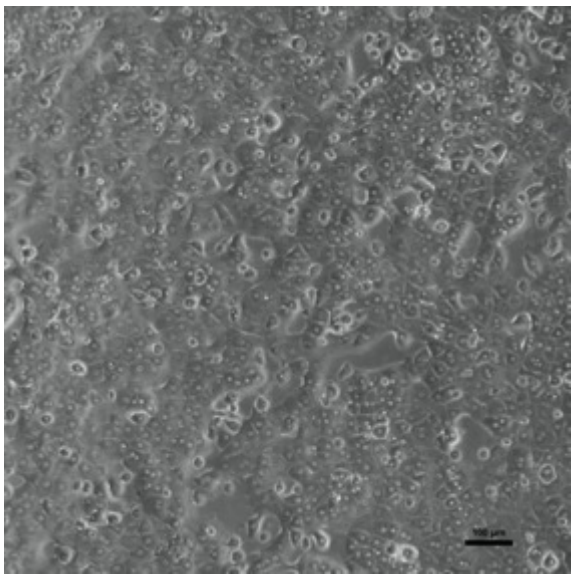
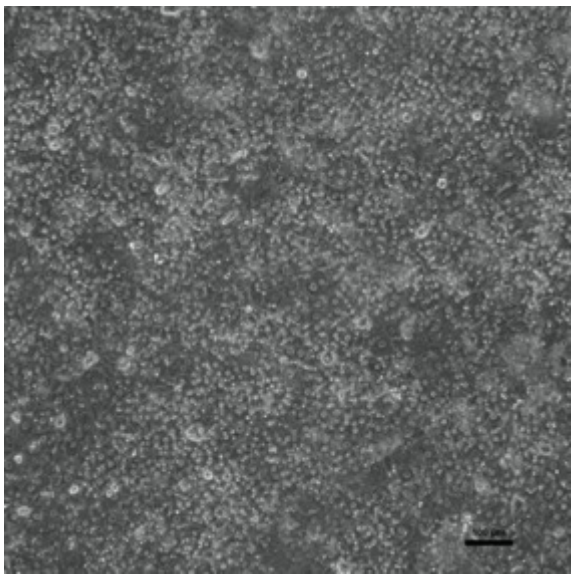
PRIMACYT
Cell Culture Technology

CHCP-I Cynomolgus Hepatocytes Cryopreserved Plateable for Induction assays Cell Specification	
Lot CH211015	Batch Release: December 10, 2021

Species: Macaca fascicularis Gender: female Age: 7 years	Serology: negative for SIV, SRV, STLV-1, B-Virus, Measles Virus
Cryopreservation: Date: October 15, 2021 Amount per vial: 10 x 10^6 cells	**Thawing: n=1** Post-thaw viability: 96.5 % Post-thaw yield per vial: 5.22 x 10^6 cells Recovery: 52.2 %
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 – 300,000 cells/well
96well plate – 60,000 cells/well
Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in culture after thawing:	pmol/(mg × min)	X-fold induction
Ethoxyresorufin-O-deethylation:	24well: 111.2 ± 10.4	16.3
Induction with 25 µM beta-naphthoflavone	96 well: 171.4 ± 48.5	10.9

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	0.5	1	1.5	2	3	4	5
Viability (%)	96.5	98.5	92.5	83.0	81.0	79.0	63.0	69.5

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

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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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