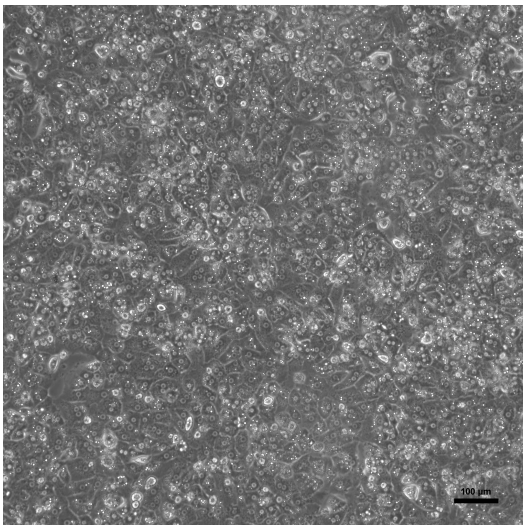
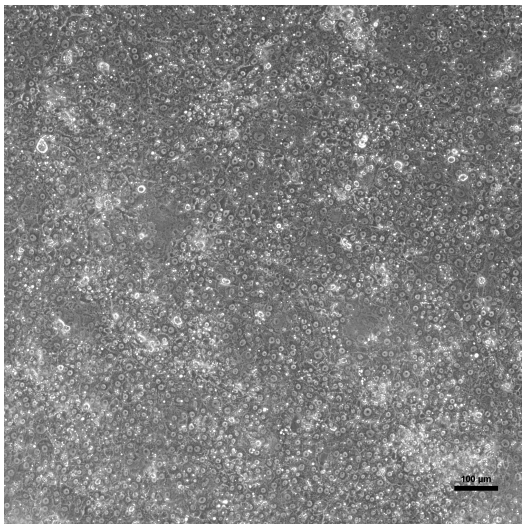
PRIMACYT
Cell Culture Technology

CHCP-I-3D Cynomolgus Hepatocytes Cryopreserved Plateable for Induction assays and for 3D culture **Cell Specification – Certificate of Analysis (CoA)**	
Lot CH220929-1B	Batch Release: March 27, 2023

Donor data	
Species: Macaca fascicularis	Gender: male Age: 3 years 7 months
Serology: negative for Herpes B virus, SRV, SIV, STLV-1, Filovirus (Ebola-like)	

Cryopreservation and Thawing	
Cryopreservation: Date: Sept 29, 2022 Amount per vial: 5.0 x 10^6 cells	**Thawing:** n=1 Post-thaw viability: 93.3 % Post-thaw yield per vial: 3.1 x 10^6 cells Recovery: 61 %

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 // 96well plate – 70,000 cells/well
Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in 2D culture after thawing:	pmol/(mg × min)	X-fold induction
Ethoxyresorufin-O-deethylation:	24well: 68.2 ± 10.7	16.4
Induction with 25 µM ß-Naphthoflavone	96well: 149.5 ± 55.3	24.6

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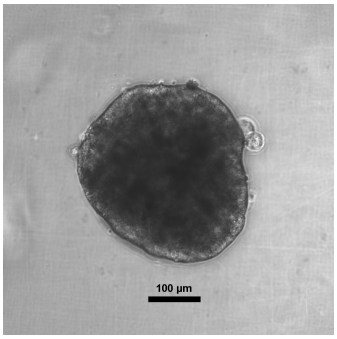
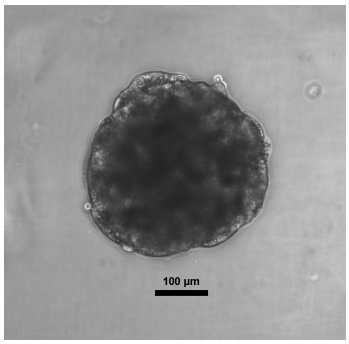
3D culture	
Cells seeded in 96well ULA round bottom plates (FaCellitate), 2,500 cells/well	
day 4	day 9
	

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
Viability (%)	93.3	71.7	71.0	64.3	63.1

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

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.

Issued by: A. Ullrich	Verified by: K. Damrau