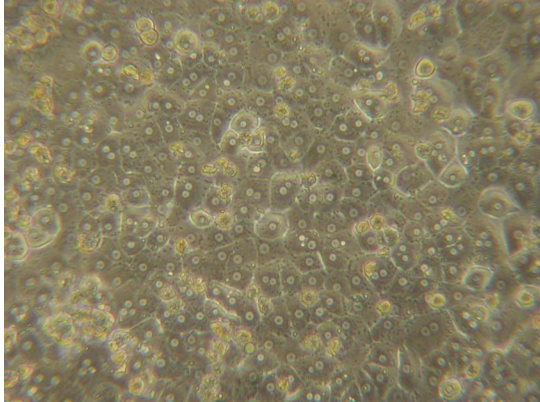
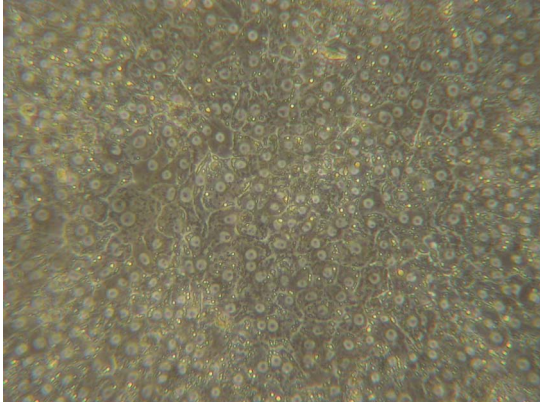


CHCP-I-T Cryopreserved Plateable Cynomolgus Hepatocytes for Induction and Transporter assays	
Cell Specification	
Lot CH131022-2	Batch Release: March 1, 2017

Species: <i>Macaca fascicularis</i> Gender: male Age: 3 years 7 months	Serology: negative for Filovirus/Ebola-like, SRV, SIV, STLV-1
Cryopreservation: Date: October 22, 2013 Amount per vial: 10 x 10 ⁶ cells	Thawing: Post-thaw viability: 89 % Post-thaw yield per vial: 6.6 x 10 ⁶ cells Recovery: 66 %

Phase contrast on day 1 after thawing	Phase contrast on day 4 after thawing
	

Recommended seeding density on collagen-coated plates: 210,000 cells per cm ² Culture in Human Hepatocyte Maintenance Medium (HHMM)		
CYP P450 activity in culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 10 µM beta-naphthoflavone Induction with 25 µM beta-naphthoflavone	pmol/(mg × min)	X-fold induction
	4.5 ± 1.5 8.5 ± 1.3	25.7 45.1

Uptake transporters: uptake of 10 µM Estrone 3-sulfate (E3S) with or without competitive inhibitor Bromosulphophthalein (BSP, 100 µM) in cryopreserved hepatocytes after 2 min incubation.		
Activity of uptake transporters in culture after thawing	Intracellular E ₃ S (pmol/mg × min)	Inhibition (%)
Without BSP	385 ± 9	
With BSP	244 ± 80	36.7

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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