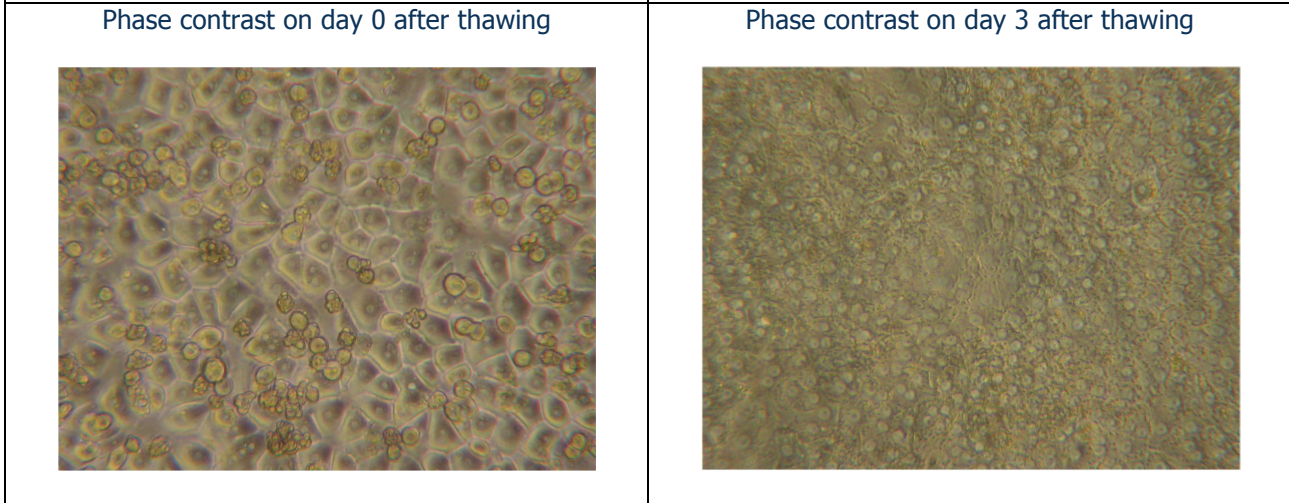


CHCP-I-T Cryopreserved Plateable Cynomolgus Hepatocytes for Induction and Transporter assays	
Cell Specification	
Lot CH131022-1	Batch Release: March 26, 2014

Species: <i>Macaca fascicularis</i> Gender: male Age: 3 years 7 months	Serology: negative for Filovirus/Ebola-like, SRV, SIV, STLV-1
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Cryopreservation: Date: October 22, 2013 Amount per vial: 11.2 x 10 ⁶ cells	Thawing: Post-thaw viability: 91 % Post-thaw yield per vial: 8.7 x 10 ⁶ cells Recovery: 77.6 %
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Recommended seeding density on collagen-coated plates: 210,000 cells per cm²
Culture in Human Hepatocyte Maintenance Medium (HHMM)

CYP P450 activity in culture after thawing:	pmol/(mg × min)	x-fold induction
Ethoxyresorufin-O-deethylation:		
Induction with 10 μM beta-naphthoflavone	2.56 ± 0.48	21.4
Induction with 25 μM beta-naphthoflavone	3.58 ± 0.58	26.0

Uptake transporters: uptake of 10 μmol/l Estrone 3-sulfate (E₃S) with or without competitive inhibitor Bromosulphophthalein (BSP, 100 μmol/l) 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	300 ± 41	
with BSP	220 ± 65	26.7

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