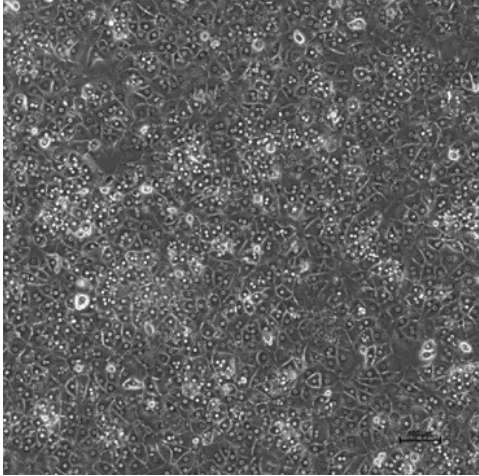
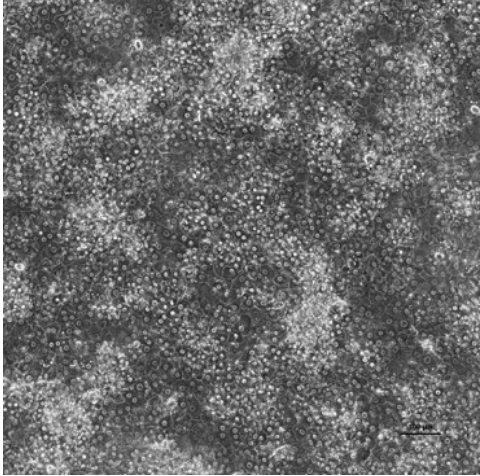


CHCP-I-T Cryopreserved Plateable Cynomolgus Hepatocytes for Induction and Transporter assays	
Cell Specification	
Lot CH140113-2	Batch Release: June 9, 2017

Species: <i>Macaca fascicularis</i> Gender: male Age: 4 years	Serology: negative for Filovirus/Ebola-like, SRV, SIV, STLV-1	
Cryopreservation: Date: January 13, 2014 Amount per vial: 15.2 x 10 ⁶ cells	Thawing: Post-thaw viability: 90 % Post-thaw yield per vial: 8.4 x 10 ⁶ cells Recovery: 55 %	
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 – 70,000 cells/well Culture in Culture in Human Hepatocyte Maintenance Medium (HHMM).		
CYP P450 activity in culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 25 µM beta-naphthoflavone	pmol/(mg × min) 24well: 23.9 ± 0.4 96well: 75.9 ± 37.5	X-fold induction 10.3 7.9

Uptake Transporters: uptake of 10 µM Estrone 3-sulfate (E ₃ S) 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	417 ± 175	
with BSP	264 ± 30	36.7
Efflux Transporter: after 5 min preincubation with 10 µM Talinolol (Tal), P-glycoprotein (P-gp) mediated Efflux of Tal with or without the specific P-gp inhibitor PSC833 (10 µM) in cryopreserved hepatocytes after 60 min incubation was analyzed.		
Activity of P-gp in culture after thawing	intracellular Tal (pmol/mg)	
without PSC833 after 60 min	223 ± 89	
with PSC833 after 60 min	346 ± 4	
<p>Note: Yield, viability, recovery and activity assays were performed at PRIMACYT using PRIMACYT's manual for thawing, plating and culture of primary cryopreserved hepatocytes.</p> <p>Issued by: A. Ullrich Checked by: C. Garve</p>		