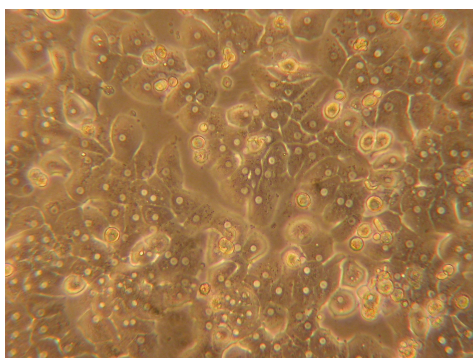
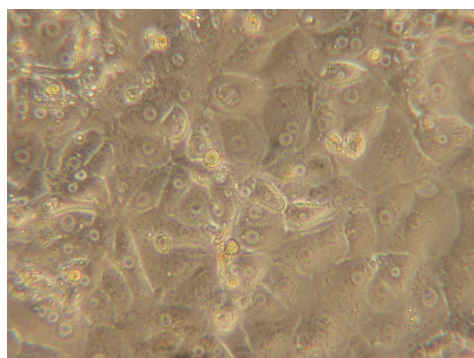


BHCP-I-T Cryopreserved Plateable Beagle Hepatocytes for Induction and Transporter assays							
Cell Specification							
Lot BH130510-1-2				Batch Release: Nov 06, 2014 – Updated: May 16, 2019			
Species: Beagle				Gender: male Age: 9 months			
Cryopreservation: Date: May 10, 2013 Amount per vial: 10.3 x 10 ⁶ cells				Thawing: n=3 Post-thaw viability: 72.9 ± 3.8 % Post-thaw yield per vial: 6.6 ± 1.0 x 10 ⁶ cells Recovery: 64 %			
Phase contrast on day 1 after thawing 				Phase contrast on day 3 after thawing 			
Recommended seeding density on collagen-coated plates:				283,000 cells per cm ²			
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				19.9 ± 2.4		25.2	
Induction with 25 µM beta-naphthoflavone				33.7 ± 0.7		42.5	
Suspension culture							
Viability test on shaker:							
Time (h)	0	0.5	1	1.5	2	3	4
Viability (%)	73.6	78.0	70.7	69.1	65.8	58.0	53.4

Uptake transporters: uptake of 10 µM Estrone 3-sulfate (E ₃ S) with or without competitive inhibitor Bromosulfophthalein (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	154 ± 7	
with BSP	93 ± 3	39.6
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 LN₂ This product should be considered as potential biohazard. Only intended for <i>in vitro</i> use. Updated by: D. Runge, May 16, 2019 Checked by: T. Krimmling, May 16, 2019		