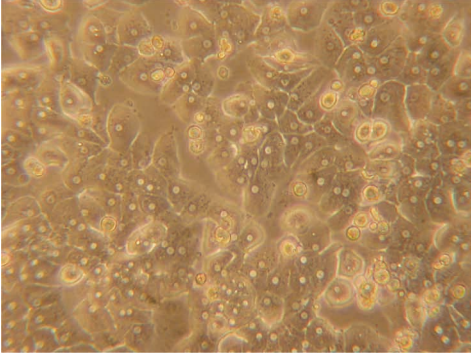
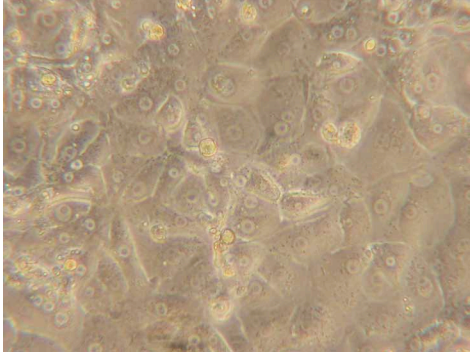


BHCP-I-T Cryopreserved Plateable Beagle Hepatocytes for Induction and Transporter assays		
Cell Specification		
Lot BH130510-1-2		Batch Release: November 06, 2014
Species: Beagle	Gender: male	Age: 9 months
Cryopreservation: Date: May 10, 2013 Amount per vial: 10.3 x 10 ⁶ cells	Thawing: Post-thaw viability: 71 % Post-thaw yield per vial: 6.2 x 10 ⁶ cells Recovery: 60.2 %	
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: Ethoxyresorufin-O-deethylation: Induction with 10 µM beta-naphthoflavone Induction with 25 µM beta-naphthoflavone	pmol/(mg × min) 19.9 ± 2.4 33.7 ± 0.7	x-fold induction 25.2 42.5
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	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.