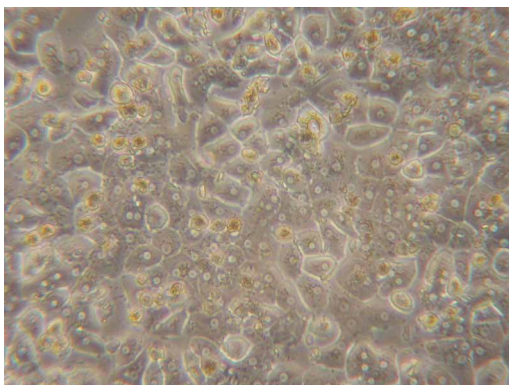
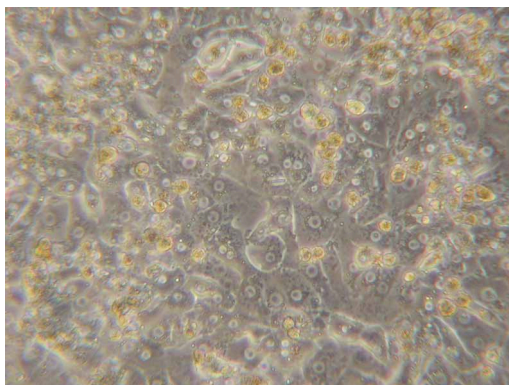


BHCP-I-T Cryopreserved Plateable Beagle Hepatocytes for Induction and Transporter assays		
Cell Specification		
Lot BH140616-2		Batch Release: November 06, 2014
Species: Beagle		Gender: male
		Age: 6 years 5 months
Cryopreservation: Date: June 16, 2014 Amount per vial: 10.3 x 10 <sup>6</sup> cells		Thawing: Post-thaw viability: 66 % Post-thaw yield per vial: 4.6 x 10 <sup>6</sup> cells Recovery: 44.7 %
Phase contrast on day 1 after thawing		Phase contrast on day 2 after thawing
		
Recommended seeding density on collagen-coated plates: 283,000 cells per cm <sup>2</sup> 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)  4.09 ± 0.67	x-fold induction  19.6
Uptake transporters: uptake of 10 μM Estrone 3-sulfate (E <sub>3</sub> 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 <sub>3</sub> S (pmol/mg × min)	Inhibition (%)
without BSP	163 ± 4	
with BSP	94 ± 26	42.3

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