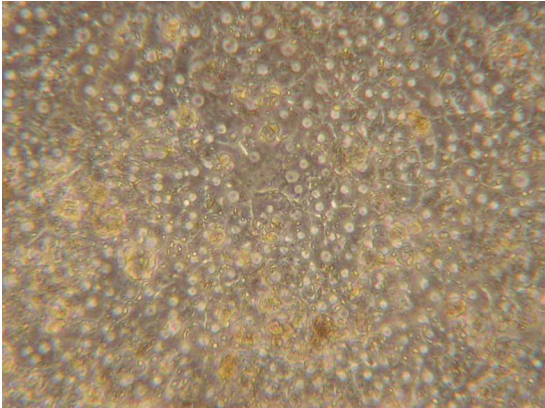
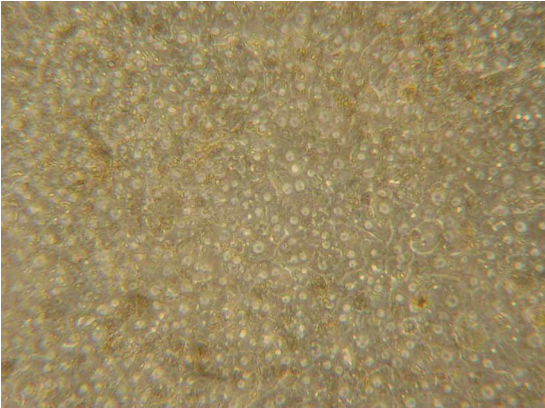


HHCP-I Cryopreserved Plateable Human Hepatocytes for Induction Cell Specification		
Lot HH130614-2		Batch Release: July 12, 2013
Species: Human	Gender: male	Age: 53 years
Cryopreservation: Date: June 14, 2013 Amount per vial: 11.8 x 10 ⁶ cells	Thawing: Post-thaw viability: 76 % Post-thaw yield per vial: 3.3 x 10 ⁶ cells Recovery: 28 %	
Phase contrast on day 2 after thawing 	Phase contrast on day 3 after thawing 	
Recommended seeding density on collagen-coated plates: 158,000 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-naphthoflavon	0.46 ± 0.03	2.1
Induction with 25 μM beta-naphthoflavon	0.74 ± 0.16	3.4

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