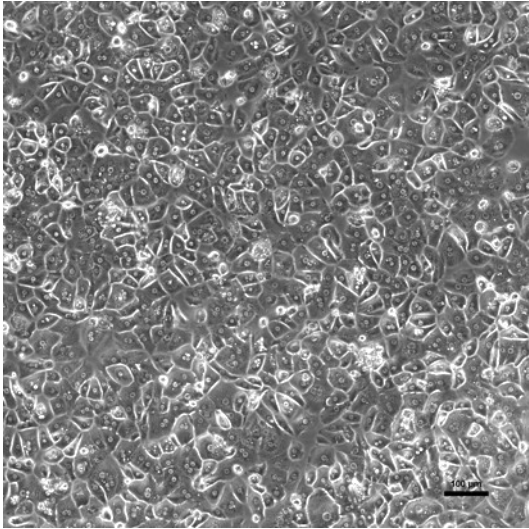
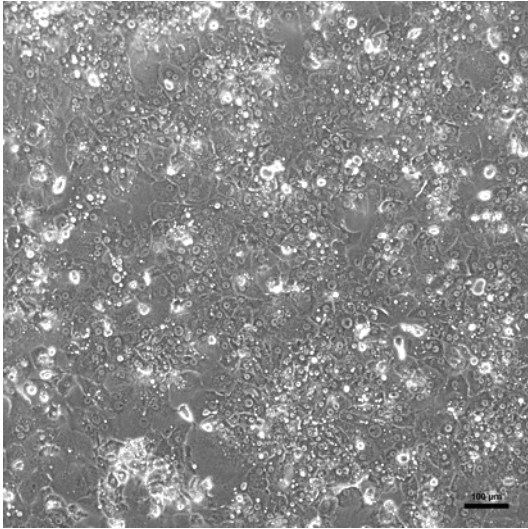


<b>HHCP-I Cryopreserved Plateable Human Hepatocytes for Induction Assays Cell Specification – Certificate of Analysis (CoA)</b>		
Lot HH140220		Batch Release: Sept 28, 2020
Species: Human	Gender: male Size: 168 cm Smoker until 12/2013	Age: 66 years Weight: 81 kg
Serology: HAV, HBV, HCV, HIV 1/2: negative	Diagnosis: HCC (Hepatocellular carcinoma)	
Medical History: -	Therapy: liver resection of left-lateral segments	
<b>Cryopreservation:</b> Date: Feb 20, 2014 Amount per vial: $5.4 \times 10^6$ cells	<b>Thawing:</b> n=2 Post-thaw viability: $84.7 \pm 8.5$ % Post-thaw yield per vial: $3.0 \pm 0.0 \times 10^6$ cells Recovery: $55 \pm 0$ %	
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 – 500,000 cells/well Use Corning collagen coated plates. Culture in Human Hepatocyte Maintenance Medium (HHMM).		
CYP P450 activity in culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 25 $\mu$ M $\beta$ -naphthoflavone	pmol/ (mg x min)  $20.3 \pm 0.9$	x-fold induction  4.3
Note: Yield, viability, recovery and activity assays were performed at PRIMACYT using PRIMACYT's manual for thawing, plating and culture of primary cryopreserved hepatocytes. <b>Store at -150 °C or in the vapour phase of LN<sub>2</sub></b> This product should be considered as potential biohazard. Only intended for <i>in vitro</i> use.		
Issued by A. Ullrich	Verified by C. Garve	