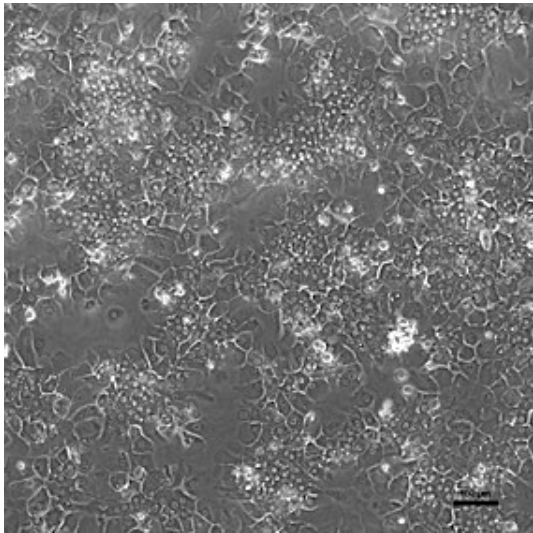
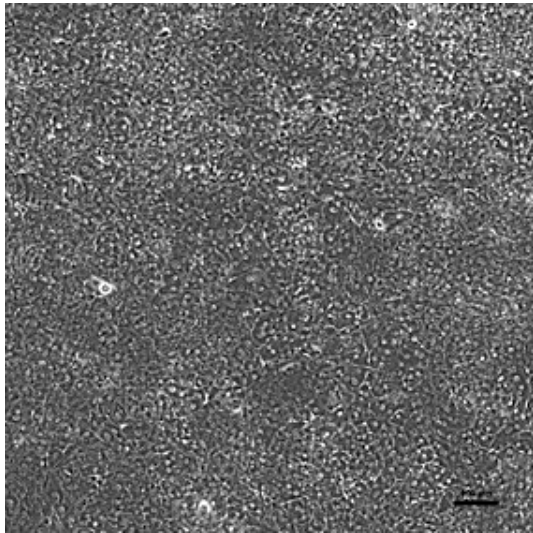


LPHCP-I Landrace Pig Hepatocytes Cryopreserved Plateable for Induction assays Cell Specification – Certificate of Analysis (CoA)						
Lot LPH200302	Batch Release: June 5, 2020 – Updated: Aug 27, 2020					
Species: Landrace Pig	Gender: female Age: 4 days					
Cryopreservation: Date: March 02, 2020 Amount per vial: 10.0 x 10 ⁶ cells	Thawing: n=2 Post-thaw viability: 93.4 ± 0.1 % Post-thaw yield per vial: 4.6 ± 1.9 x 10 ⁶ cells Recovery: 46.3 ± 18.5 %					
Phase contrast on day 1 after thawing (24well plate) 	Phase contrast on day 3 after thawing (24well plate) 					
Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 37 °C with 0.5 x 10 ⁶ cells in 0.5 ml HM-Cryo):						
Time (h)	0	1	2	3	4	5
Viability (%)	93.4	82.7	82.1	75.9	76.9	84.2
Recommended seeding density on collagen coated plates: 24well plate – 150,000 cells/well // 96well plate – 30,000 cells/well Culture in Human Hepatocyte Maintenance Medium (HHMM).						
CYP P450 activity in culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 25 µM β-Naphthoflavone	pmol/(mg × min) 24well: 44.0 ± 3.3 96well: 94.2 ± 3.7	X-fold induction 11.7 11.6				
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.						
Issued by M. Thiede; updated by J. Krinitskij	Verified by C. Garve					