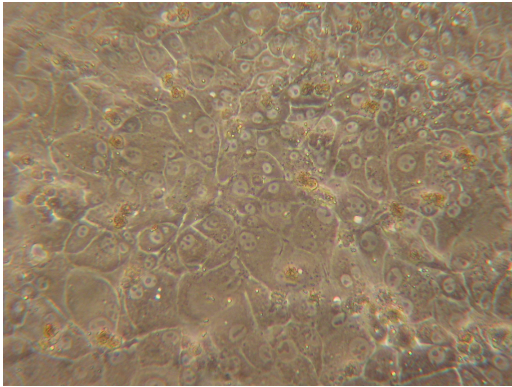
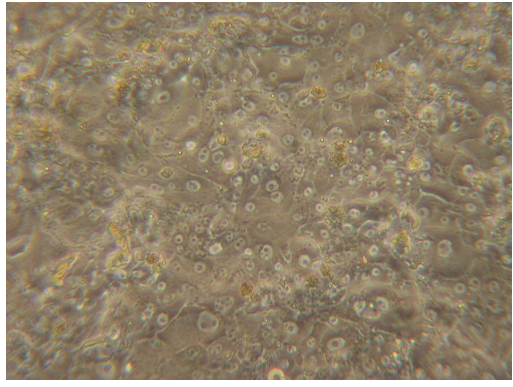


GMHCP-I Göttingen Minipig Hepatocytes Cryopreserved Plateable for Induction Cell Specification – Certificate of Analysis (CoA)		
Lot GMH140428-1		Batch Release: May 28, 2014 – Updated: July 31, 2019
Species: Göttingen Minipig	Gender: male	Age: 6 months
Cryopreservation: Date: April 28, 2014 Amount per vial: 10.3 x 10 ⁶ cells	Thawing: n=6 Post-thaw viability: 63,6 ± 7.1 % Post-thaw yield per vial: 3.6 ± 1.0 x 10 ⁶ cells Recovery: 35 %	
Phase contrast on day 3 after thawing 		Phase contrast on day 5 after thawing 
Recommended seeding density on collagen-coated plates: 600.000 cells per well (24well plate) Culture in Human Hepatocyte Maintenance Medium (HHMM).		
CYP P450 activity in culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 10 µM β-Naphthoflavone Induction with 25 µM β-Naphthoflavone	pmol/(mg × min) 7.2 ± 0.6 5.9 ± 1.3	x-fold induction 13.3 10.9

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

Shipping Temperature: below -135 °C

Storage Temperature: at -150 °C or in the vapour phase of LN₂

This product should be considered as potential biohazard. Only intended for *in vitro* use. Not for therapeutic purposes.

Updated by: D. Runge

Verified by: T. Krimmling