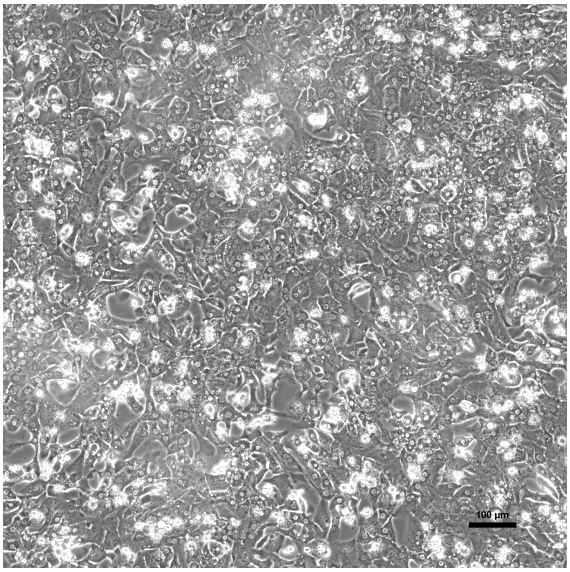
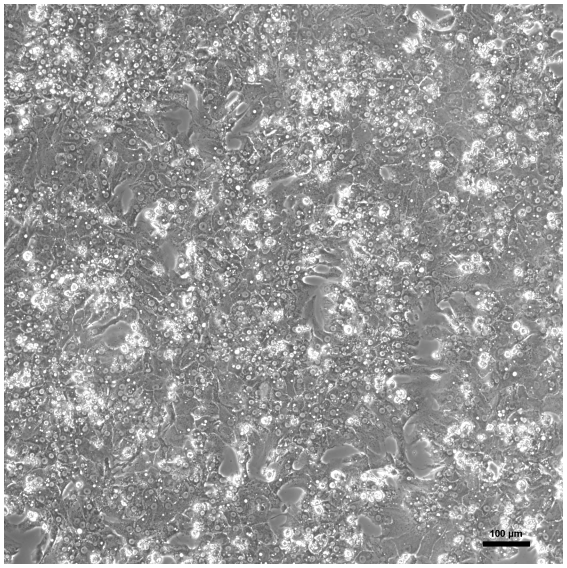
PRIMACYT
Cell Culture Technology

FHCP-I Feline Hepatocytes Cryopreserved Plateable for Induction assays **Cell Specification – Certificate of Analysis (CoA)**	
Lot FH-SZFD	Batch Release: Aug 5, 2025

Donor data	
Species: Feline (Cat)	Gender: male, Pool of 3

Cryopreservation and Thawing	
Cryopreservation: Date: May 2024	**Thawing:** n=1 Post-thaw viability: 81.1 % Post-thaw yield per vial: 6.1 x 10^6 cells **Only one spin required. No washing step.**

2D culture	
Phase contrast on day 1 after thawing (24well plate)	Phase contrast on day 3 after thawing (24well plate)
	

Recommended seeding density on bovine collagen-coated plates (Purecol):
24well plate – 400,000 cells/well.
Culture in Human Hepatocyte Maintenance Medium (HHMM).
Note: Gently shake the plate (N/S-E/W) every 30 minutes for 2 hours after plating (only 24well plate and bigger wells). This step has a positive effect on the uniform plating.

CYP P450 activity in 2D culture after thawing:	pmol/(mg × min)	X-fold induction
Ethoxyresorufin-O-deethylation: Induction with 25 µM ß-Naphthoflavone	24well: 165.1 ± 12.4	2.1

E-mail: info@primacyt.de, Tel.: +49 (0) 385-3993-600, Fax: +49 (0) 385-3993-602

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Suspension culture
Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 37 °C with 0.5 x 10^6 cells in 0.5 ml HPM-Cryo):

Time (h)	0	1	2	3	4	5
Viability (%)	81.1	76.7	80.1	79.9	73.9	73.8

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

Note for thawing process: Only one spin at 100 x g, 10 min., 20 °C is required. No washing step needed.

Store at -150 °C or in the vapour phase of LN_2

This product should be considered as potential biohazard. Only intended for *in vitro* use.

Issued by: A. Ullrich	Verified by: T. Krimmling