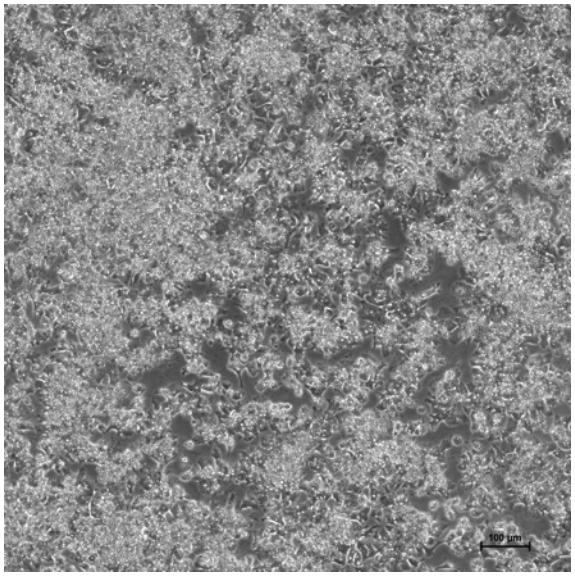
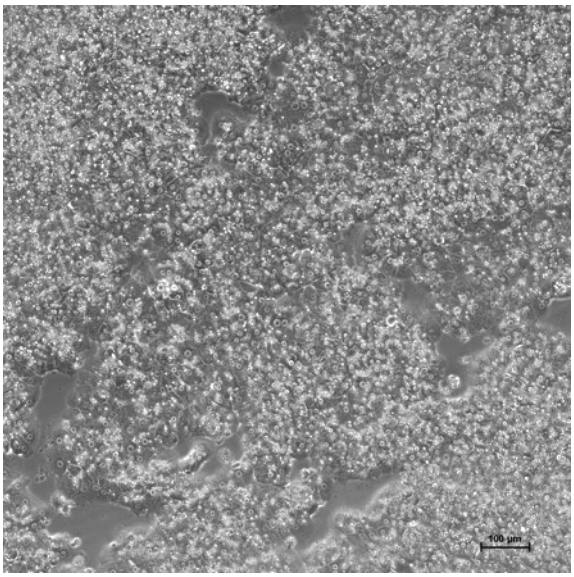
PRIMACYT
Cell Culture Technology

DHCP-I Duck Hepatocytes Cryopreserved Plateable for Induction assays **Cell Specification**	
Lot DH181010-4	Batch Release: October 04, 2019

Species: Anas platyrhynchos domestica (Pekin duck)	Gender: male Age: approx. 6 weeks
Cryopreservation: Date: Oct 10, 2018 Amount per vial: 10.0 x 10^6 cells	**Thawing: n=2** Post-thaw viability: 95.0 ± 3.7 % Post-thaw yield per vial: 5.8 ± 2.0 x 10^6 cells Recovery: 58.2 ± 20.4 %
Phase contrast on day 1 after thawing (24well plate) 	Phase contrast on day 3 after thawing (24well plate) 

Recommended seeding density on uncoated plates:
24well plate – 400,000 cells/well
96well plate – 70,000 cells/well
Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in culture after thawing:	pmol/(mg × min)	X-fold induction
Ethoxyresorufin-O-deethylation:	24well: 46.8 ± 4.2	7.4
Induction with 25 µM beta-naphthoflavone	96 well: 37.1 ± 10.2	2.9

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

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.

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