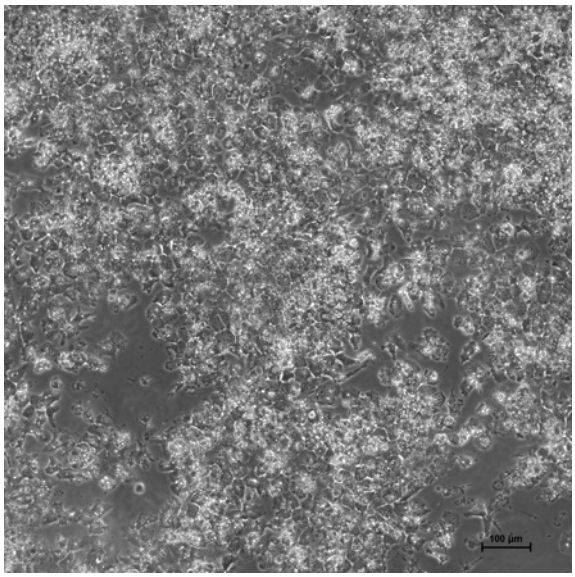
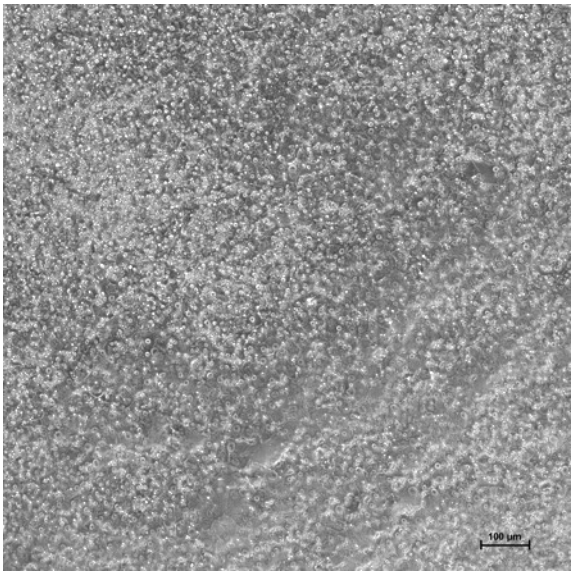
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| **DHCP-I Duck Hepatocytes Cryopreserved Plateable for Induction assays Cell Specification** | |
|---|---|
| Lot DH181010-1 | Batch Release: October 04, 2019 |

| | |
|---|---|
| Species: Anas platyrhynchos domestica (Pekin duck) | Gender: female<br>Age: approx. 6 weeks |
| **Cryopreservation:**<br>Date: Oct 10, 2018<br>Amount per vial: 10.0 x $10^6$ cells | **Thawing: n=2**<br>Post-thaw viability: 95.1 ± 0.2 %<br>Post-thaw yield per vial: 3.9 ± 1.3 x $10^6$ cells<br>Recovery: 38.5 ± 12.6 % |
| Phase contrast on day 1 after thawing (24well plate)<br> | Phase contrast on day 3 after thawing (24well plate)<br> |

Recommended seeding density on uncoated plates:
24well plate – 300,000 cells/well
96well plate – 50,000 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: 36.7 ± 1.1 | 8.6 |
| Induction with 25 µM beta-naphthoflavone | 96 well: 173.9 ± 35.8 | 10.6 |

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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 | 0.5 | 1 | 1.5 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|
| Viability (%) | 95.2 | 97.6 | 93.5 | 91.2 | 90.6 | 95.7 | 83.3 | 93.5 |

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.

Issued by: J. Krinitskij Verified by: A. Ullrich

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