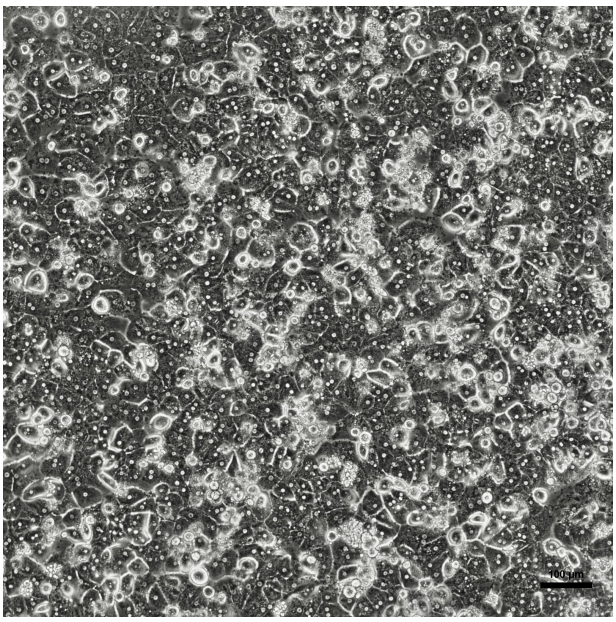
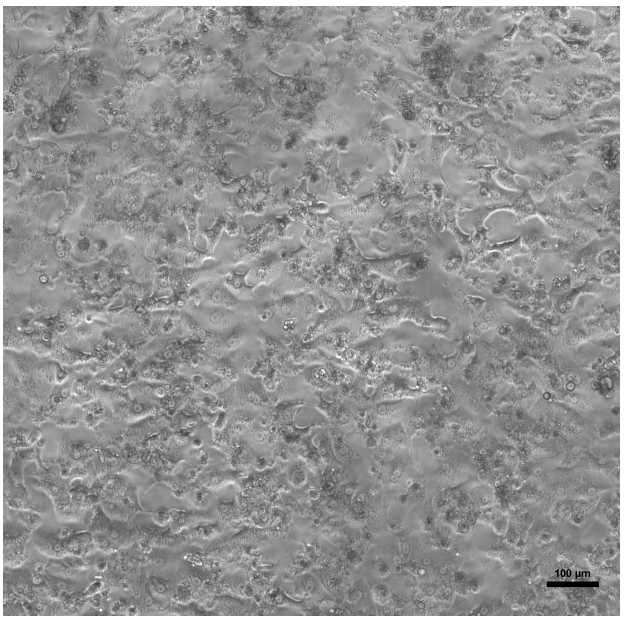
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BHCP-I Beagle Hepatocytes Cryopreserved Plateable for Induction Assays
Cell Specification – Certificate of Analysis (CoA)

Lot BH201019	Batch Release: May 14, 2024

Species: Beagle	Gender: male Age: 19 months
Cryopreservation: Date: Oct 19, 2020 Amount per vial: 10.0 x 10^6 cells	**Thawing:** n=3 Post-thaw viability: 89.2 ± 3.4 % Post-thaw yield per vial: 5.7 ± 0.8 x 10^6 cells Recovery: 56.9 ± 7.5 %
Phase contrast on day 1 after thawing (24well plate) 	Phase contrast on day 3 after thawing (24well plate) 

Recommended seeding density on Corning collagen-coated plates:
24well plate – 500,000 cells/well // 96well plate – 70,000 cells/well
Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in culture after thawing from day 1 to 3 (n=1)	pmol/(mg × min)	X-fold induction
Ethoxyresorufin-O-deethylation: Induction with 25 µM ß-Naphthoflavone	96well: 155.8 ± 16.5	11.3

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 (%)	87.2	76.3	72.2	74.1	66.4	71.8	64.5	58.6

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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: A. Sattler Verified by: K. Damrau

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