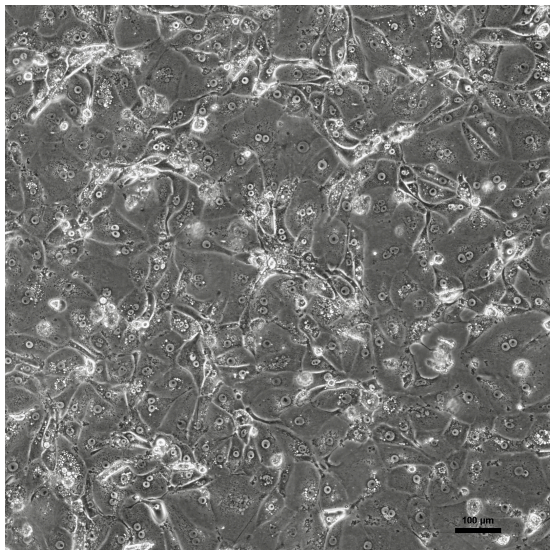
PRIMACYT
Cell Culture Technology

BHCP-I Beagle Hepatocytes Cryopreserved Plateable for Induction assays **Cell Specification – Certificate of Analysis (CoA)**	
Lot BH150623	Batch Release: March 06, 2024

Donor data	
Species: Beagle	Gender: female Age: approx. 7 years and 5 months

Cryopreservation and Thawing	
Cryopreservation: Date: June 23, 2015 Amount per vial: 10.1 x 10^6 cells	**Thawing:** n=3 Post-thaw viability: 86.1 ± 4.4 % Post-thaw yield per vial: 5.4 ± 0.6 x 10^6 cells Recovery: 52.9 ± 5.8 %

2D culture		
Phase contrast on day 1 after thawing (24well plate)	Phase contrast on day 3 after thawing (24well plate)	
		
Recommended seeding density on collagen-coated plates: 24well plate – 400,000 cells/well // 96well plate – 70,000 cells/well. Culture in Human Hepatocyte Maintenance Medium (HHMM).		
CYP P450 activity in 2D culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 25 µM ß-Naphthoflavone	pmol/(mg × min) 24well: 23.3 ± 2.7 96well: 37.3 ± 16.3	X-fold induction 4.7 5.1

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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 (%)	92.2	80.4	78.8	79.5	78.3	82.7

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. Alkufairi	Verified by: K. Damrau