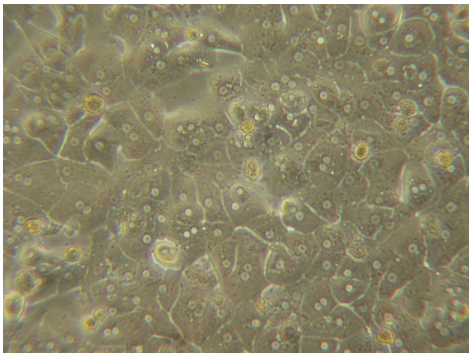
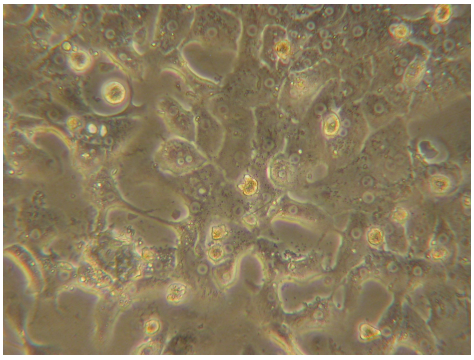
PRIMACYT
Cell Culture Technology

BHCP-I-T Cryopreserved Plateable Beagle Hepatocytes for Induction and Transporter assays - Cell Specification

Lot BH130802 | Batch Release: Dec 10, 2013 – Updated: May 16, 2019

Species: Beagle	Gender: male Age: 8 months
Cryopreservation: Date: August 2, 2013 Amount per vial: 10 x 10^6 cells	Thawing: n=6 Post-thaw viability: 75.3 ± 10.0 % Post-thaw yield per vial: 9.3 ± 1.7 x 10^6 cells Recovery: 93 %
Phase contrast on day 1 after thawing 	Phase contrast on day 2 after thawing 
Recommended seeding density on collagen-coated plates: 283,000 cells per cm^2 Culture in Human Hepatocyte Maintenance Medium (HHMM).	

CYP P450 activity in culture after thawing:	pmol/(mg × min)	x-fold induction
Ethoxyresorufin-O-deethylation: Induction with 25 µM beta-naphthoflavone	44.7 ± 2.3	3.6

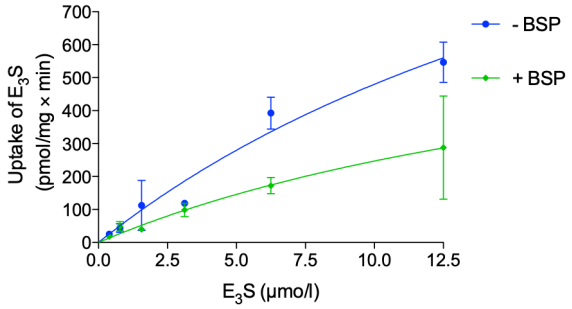
Suspension culture

Viability test on shaker:

Time (h)	0	0.5	1	1.5	2	3	4
Viability (%)	80.9	73.3	70.4	67.9	69.0	62.0	58.4

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

Uptake of Estrone-3-sulfate (E_3S) with (green) or without (blue) the competitive uptake inhibitor Bromosulfophthalein (BSP) after 2 min incubation.



	Km (µmol/l)	Vmax (pmol/mg x min)
- BSP	25.2 ± 14.0	1690 ± 686
+ BSP	22.7 ± 24.2	808 ± 612

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.

Updated by: D. Runge, May 16, 2019

Checked by: T. Krimmling, May 16, 2019

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