

RabHCP-I Rat Hepatocytes Cryopreserved Plateable for Induction assays
Cell Specification – Certificate of Analysis (CoA)

Lot RabH220506-3

Batch Release: March 31, 2023

Donor data

Species: New Zealand white rabbit (*Oryctolagus cuniculus*)
Strain:

Gender: male
Age: approx. 3 months

Cryopreservation and Thawing

Cryopreservation:

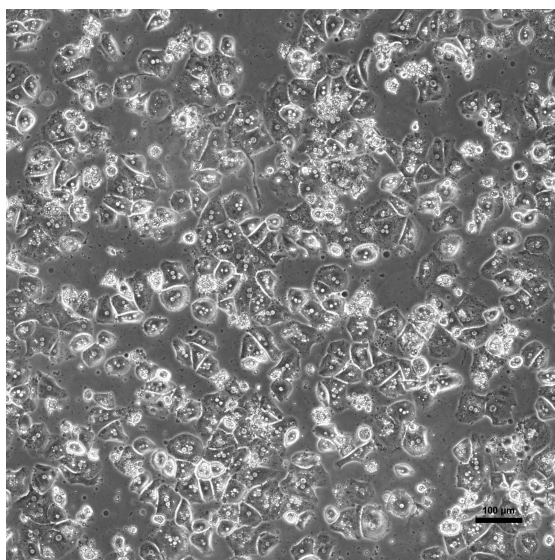
Date: May 06, 2022
Amount per vial: 10.5×10^6 cells

Thawing: n=1

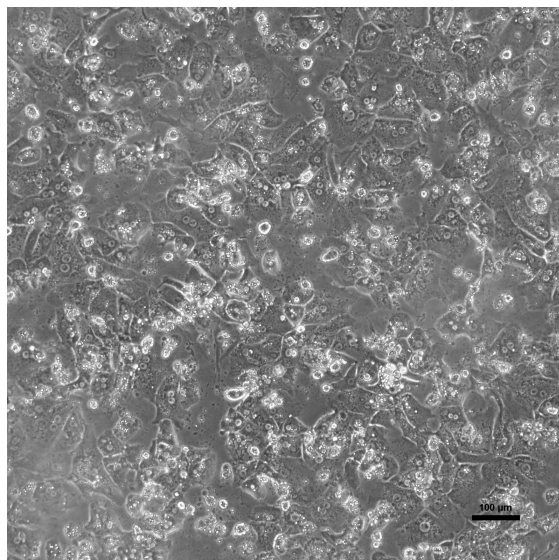
Post-thaw viability: 90.6 %
Post-thaw yield per vial: 4.55×10^6 cells
Recovery: 43.3 %

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 – 300,000 cells/well // 96well plate – 70,000 cells/well
Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in 2D culture after thawing:	pmol/ (mg × min)	X-fold induction
Ethoxyresorufin-O-deethylation:	24well: 29.5 ± 1.9	29.0
Induction with 25 µM β-Naphthoflavone	96well: 123.1 ± 57.3	33.6

Suspension culture

Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 37 °C with 0.5×10^6 cells in 0.5 ml HPM-Cryo):

Time (h)	0	0.5	1	1.5	2	3	4	5
Viability (%)	90.6	73.1	71.6	65.1	68.3	59.4	57.7	56.3

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 LN₂

This product should be considered as potential biohazard. Only intended for *in vitro* use.

Issued by: A. Alkufairi

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