

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

Lot RabH220509-2

Batch Release: March 31, 2023

**Donor data**

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

Gender: female  
Age: approx. 3 months

**Cryopreservation and Thawing**

**Cryopreservation:**

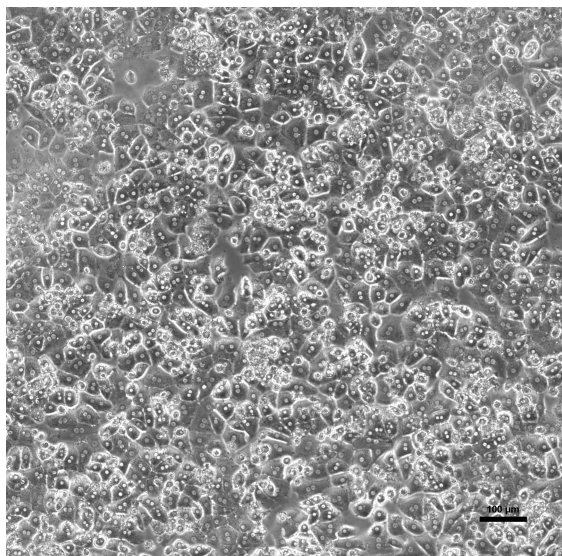
Date: May 09, 2022  
Amount per vial:  $9.9 \times 10^6$  cells

**Thawing:** n=1

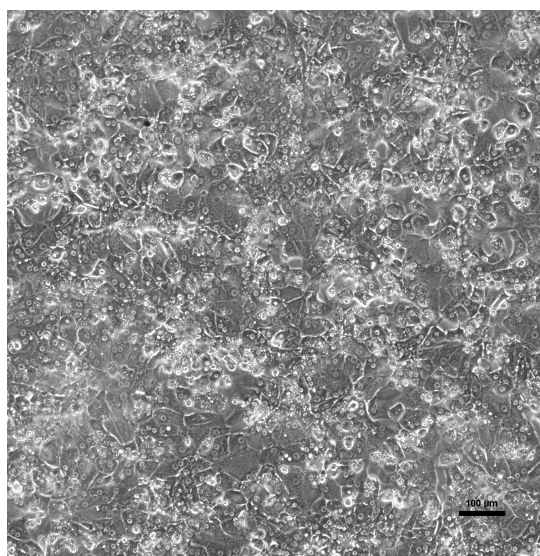
Post-thaw viability: 85.9 %  
Post-thaw yield per vial:  $6.3 \times 10^6$  cells  
Recovery: 63.5 %

**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:  $22.3 \pm 5.4$

19.6

Induction with 25 µM β-Naphthoflavone

96well:  $21.8 \pm 1.9$

21.3

**Suspension culture**

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

Time (h)	0	0.5	1	1.5	2	3	4	5
Viability (%)	85.9	67.9	61.7	63.4	66.4	58.0	60.0	63.6

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<sub>2</sub>**

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

Issued by: A. Alkufairi

Verified by: A. Ullrich