

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

Lot RH190514

Batch Release: July 25, 2022

**Donor data**

Species: *Rattus norvegicus* forma domestica  
Strain: Wistar:Han IGS rat // CrI:Wi(Han)

Gender: female  
Age: 9 months

**Cryopreservation and Thawing**

**Cryopreservation:**

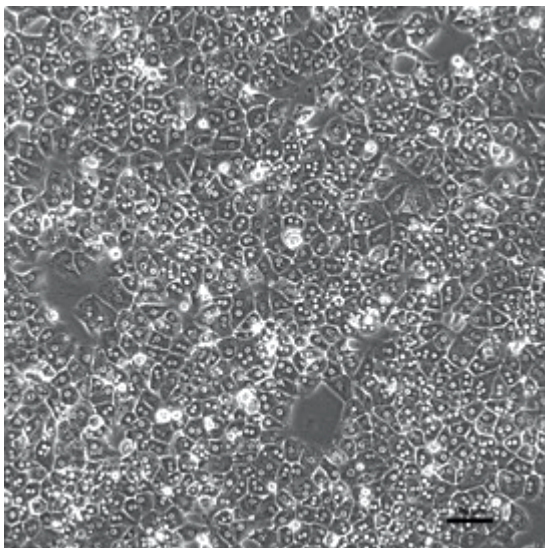
Date: May 14, 2019  
Amount per vial:  $10.0 \times 10^6$  cells

**Thawing:** n=2

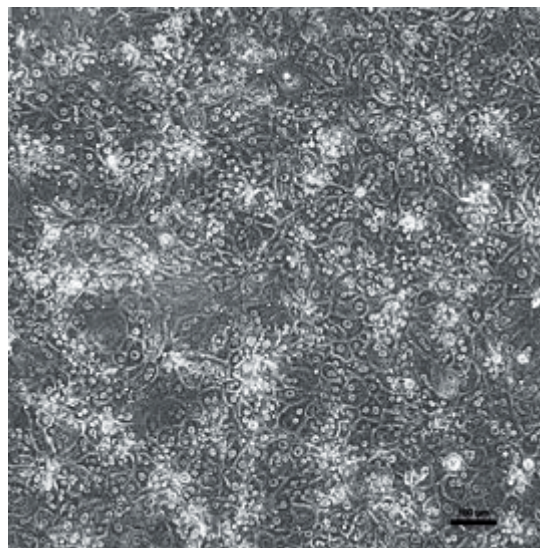
Post-thaw viability:  $87.5 \pm 2.9$  %  
Post-thaw yield per vial:  $4.7 \pm 1.5 \times 10^6$  cells  
Recovery: 47.0 %

**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 – 60,000 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: $88.0 \pm 7.8$	13.3
Induction with 25 μM β-Naphthoflavone	96well: $163.3 \pm 47.0$	15.9

<b>Detailed animal information and husbandry conditions</b>	
Species	Rat ( <i>Rattus norvegicus</i> forma domestica)
Strain	Wistar:Han IGS rat // CrI:Wi(Han), IGS (International Genetic Standard)
Vendor	Charles River Germany GmbH & Co. KG, Sulzbach, FRG
Food	Altromin Maintenance diet for rats/mice (ad libitum), Altromin, Lage, FRG
Water	ad libitum
Light/Dark cycle	07:00-19:00 light / 19:00-07:00 dark (12 hours light/dark)
Temperature	20-24 °C
Humidity	40-70 %
Bedding	Hugro hemp bedding, Saerbeck, FRG
Cage	Tecniplast Eurostandard Type III and Type IV incl. behavioural enrichments for the animals
<p>Animals were housed under veterinary control and allowed to acclimate <math>\geq 7</math> days before use. Animal housing permits according to §11 Abs. 1 TSchG, dated March 20, 2017 and March 22, 2022 under supervision of Veterinary Office of Landkreis Ludwigslust/Parchim, FRG. Hepatocytes were obtained from a non-infectious, non-contagious, healthy animal. The animal does not originate from a facility conducting work or research with animal pathogens.</p>	
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