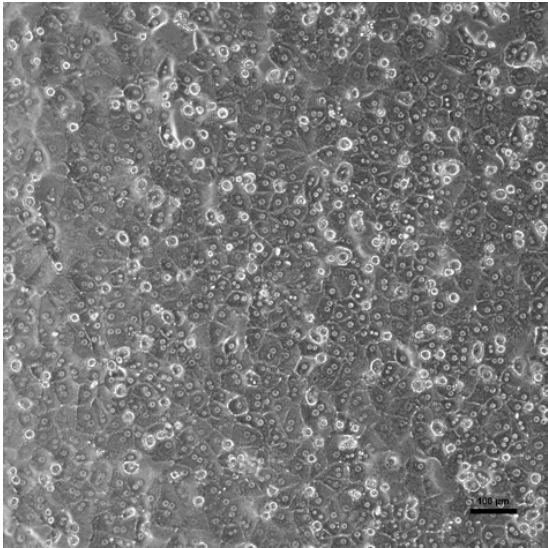
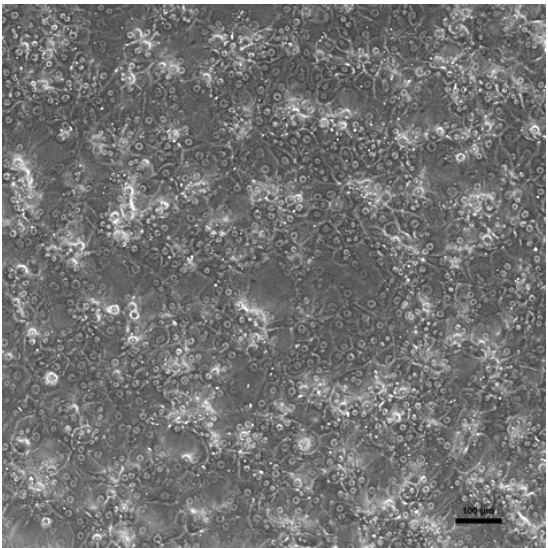


RHCP-I Rat Hepatocytes Cryopreserved Plateable for Induction assays	
Cell Specification – Certificate of Analysis (CoA)	
Lot RH210219	Batch Release: May 5, 2022

Donor data	
Species: <i>Rattus norvegicus</i> forma domestica Strain: Wistar:Han IGS rat // Crl:Wi(Han)	Gender: male Age: 4 months

Cryopreservation and Thawing	
Cryopreservation: Date: Feb 19, 2021 Amount per vial: 10.0 x 10 ⁶ cells	Thawing: n=1 Post-thaw viability: 76.6 % Post-thaw yield per vial: 7.04 x 10 ⁶ cells Recovery: 70.4 %

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 – 30,000 cells/well Culture in Human Hepatocyte Maintenance Medium (HHMM).		
CYP P450 activity in 2D culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 25 µM β-Naphthoflavone	pmol/(mg × min) 24well: 34.8 ± 2.0 96well: 82.4 ± 14.8	X-fold induction 8.4 5.9

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
Viability (%)	76.6	64.8	67.5	58.8	61.7	49.5	56.5

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.

Detailed animal information and husbandry conditions

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	Techniplast Eurostandard Type III and Type IV incl. behavioural enrichments for the animals
Cage	Hugro hemp bedding, Saerbeck, FRG

Animals were housed under veterinary control and allowed to acclimate ≥ 7 days before use. Animal housing permit according to §11 Abs. 1 TSchG, dated March 20, 2017 under supervision of Veterinary Office of Landkreis Ludwigslust/Parchim, FRG. Hepatocytes were obtained from a non-infectious, non-contagious, healthy animal.

Issued by: A. Ullrich

Verified by: D. Kwapiszewski