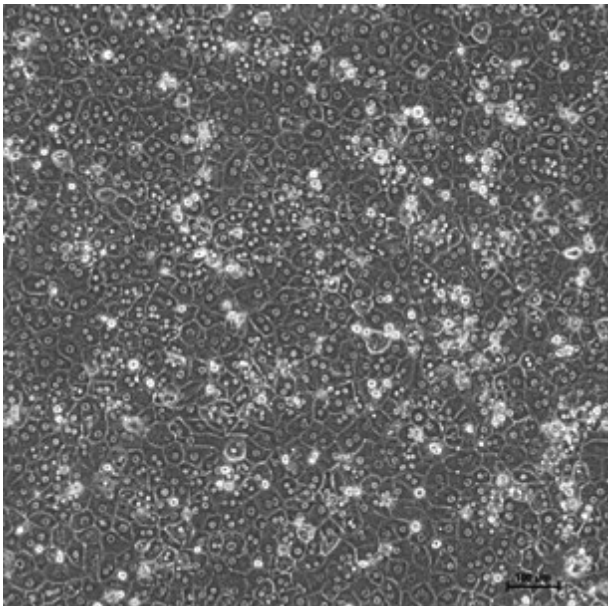
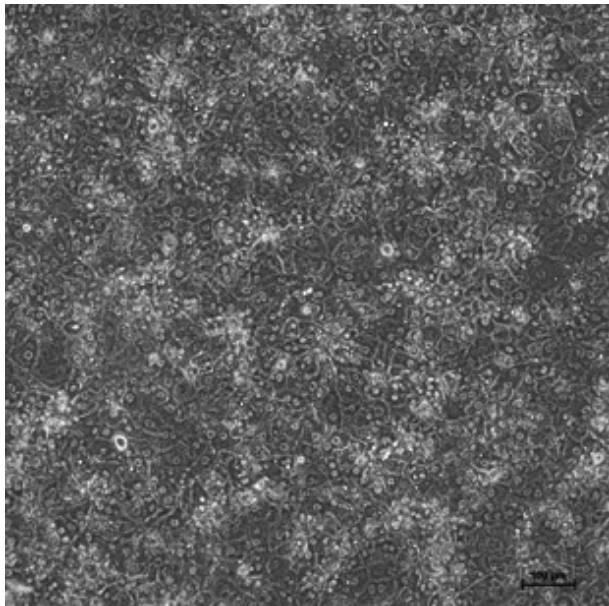


RHCP-I Rat Hepatocytes Cryopreserved Plateable for Induction assays Cell Specification – Certificate of Analysis (CoA)								
Lot RH190813	Batch Release: January 16, 2020							
Species: <i>Rattus norvegicus</i> forma domestica Wistar:Han IGS rat // CrI:Wi(Han)	Gender: female	Age: approx. 6 months						
Cryopreservation: Date: Aug 13, 2019 Amount per vial: 10.0 x 10 ⁶ cells	Thawing: n=1 Post-thaw viability: 86.9 % Post-thaw yield per vial: 9.0 x 10 ⁶ cells Recovery: 90 %							
Phase contrast on day 1 after thawing (24well plate)	Phase contrast on day 3 after thawing (24well plate)							
								
Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 37 °C with 0.5 x 10 ⁶ cells in 0.5 ml HPM-Cryo):								
Time (h)	0	0.5	1	1.5	2	3	4	5
Viability (%)	89.6	72.1	78.0	65.7	70.2	66.7	64.2	68.0
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 culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 25 µM β-Naphthoflavone	pmol/(mg × min) 24well: 56.4 ± 6.4 96well: 226.0 ± 48.8	X-fold induction 13.1 21.8						
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 (*Rattus norvegicus* 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 and 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: Techniplast Eurostandard Type III and Type IV including behavioural enrichments for the animals

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: M. Thiede

Verified by Claudia Garve