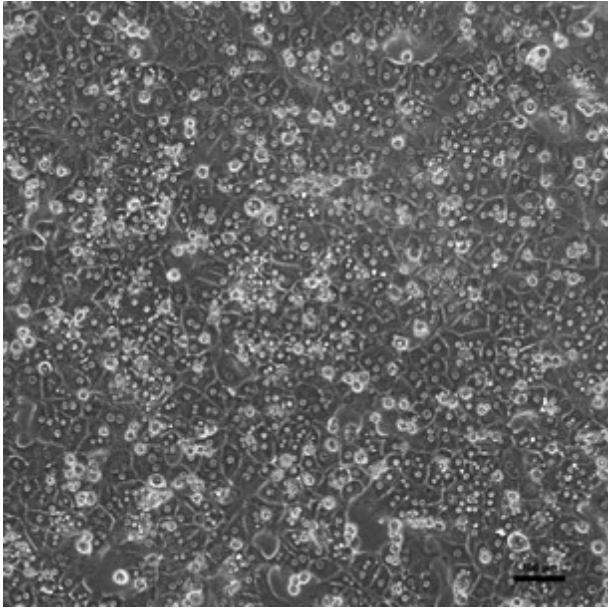
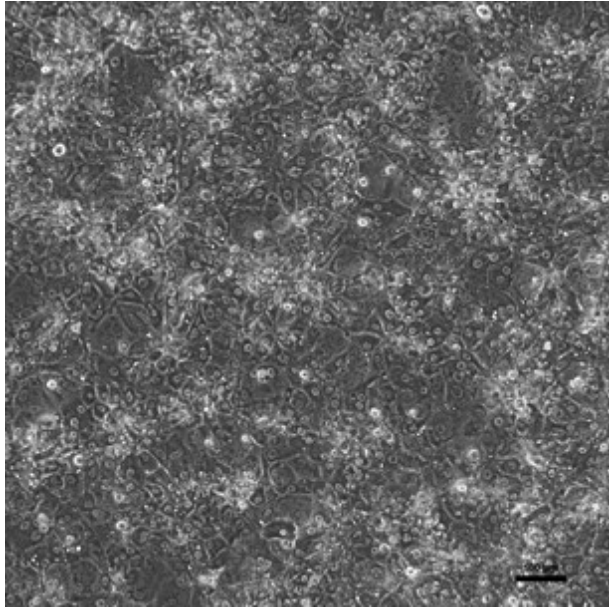


RHCP-I Rat Hepatocytes Cryopreserved Plateable for Induction assays Cell Specification – Certificate of Analysis (CoA)								
Lot RH191112 Pool	Batch Release: April 7, 2020							
Species: <i>Rattus norvegicus</i> forma domestica Strain: CD IGS rat (Sprague Dawley) // CrI:CD(SD)	Number and gender of animals: 1 female, 1 male Age: approx. 4 months							
Cryopreservation: Date: Nov 12, 2019 Amount per vial: 10.0×10^6 cells	Thawing: n=1 Post-thaw viability: 79.6 % Post-thaw yield per vial: 6.9×10^6 cells Recovery: 69 %							
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 0.5×10^6 cells in 0.5 ml HM-Cryo):								
Time (h)	0	0.5	1	1.5	2	3	4	5
Viability (%)	79.6	63.9	67.1	74.7	64.2	52.1	49.3	47.5
Recommended seeding density on collagen-coated plates: 24well plate – 200,000 cells/well // 96well plate – 50,000 cells/well Culture in Human Hepatocyte Maintenance Medium (HHMM).								
CYP P450 activity in culture after thawing: Ethoxyresorufin-O-deethylation: Induction with 25 μ M β -Naphthoflavone	pmol/(mg \times min) 24well: 85.2 ± 10.2 96well: 232.6 ± 39.8	X-fold induction 15.5 23.1						
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: CD IGS rat (Sprague Dawley) // CrI:CD(SD),
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