

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

Lot RH200226-1 Pool

Batch Release: December 10, 2021

Species: *Rattus norvegicus* forma domestica
Strain: CD IGS rat (Sprague Dawley) // CrI:CD (SD)

Number and gender of animals: 5 females

Cryopreservation:

Date: Feb 26, 2020

Amount per vial: 12.0×10^6 cells

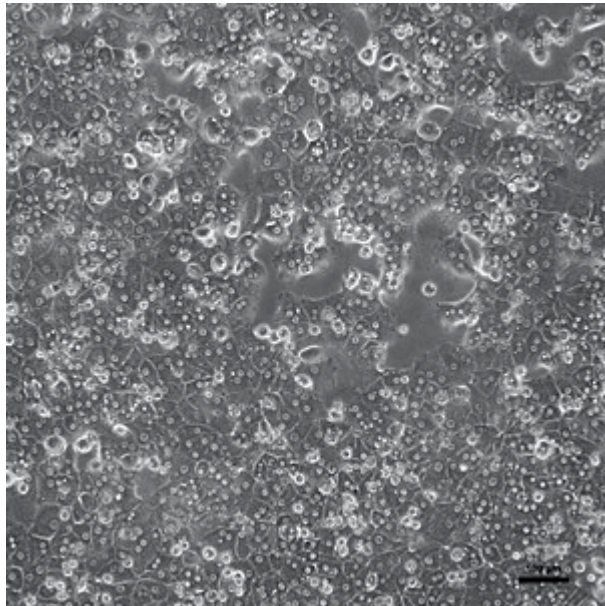
Thawing: n = 3

Post-thaw viability: 84.6 ± 3.6 %

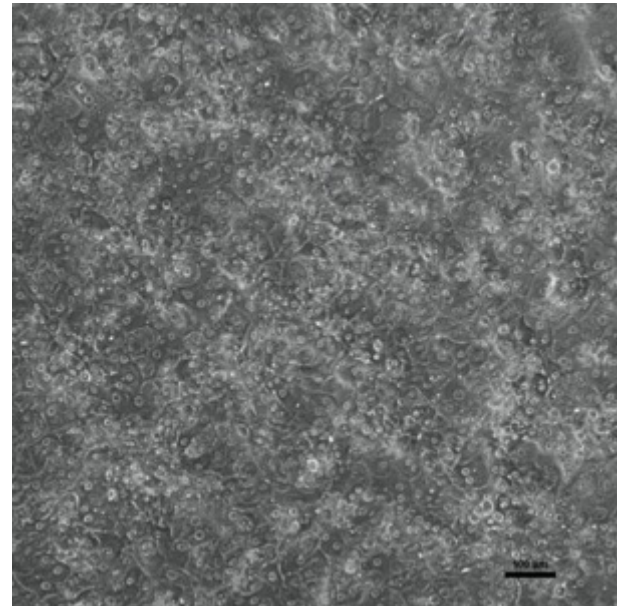
Post-thaw yield per vial: $7.2 \pm 0.8 \times 10^6$ cells

Recovery: 60.2 %

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 – 200,000 cells/well

96well plate – 30,000 cells/well

Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in culture after thawing:

pmol/(mg × min)

X-fold induction

Ethoxyresorufin-O-deethylation:

24well: 89.7 ± 24.4

23.6

Induction with 25 μM β-Naphthoflavone

96well: 421.2 ± 157.2

39.7

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. Reu

Verified by D. Kwapiszewski