

SDRL-KC Rat Cryopreserved Kupffer Cells

Cell specification

Lot RLKC 200109-2 P0-200127

Batch Release: Oct 29, 2021

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

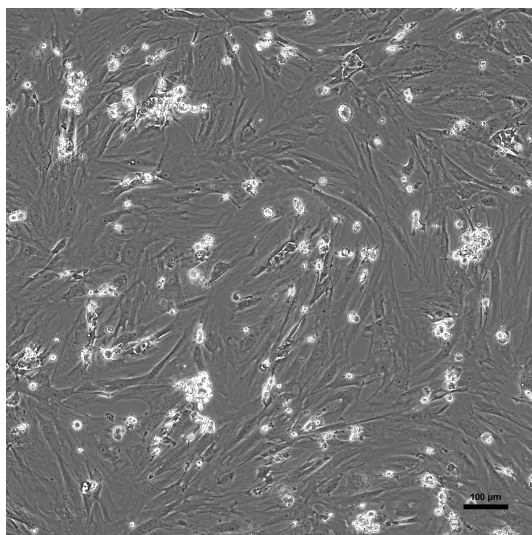
Gender: male
Age: 3.5 months

Cryopreservation:
Passage 0 on: January 27, 2020
Number of cells per vial: 2.04×10^6 cells

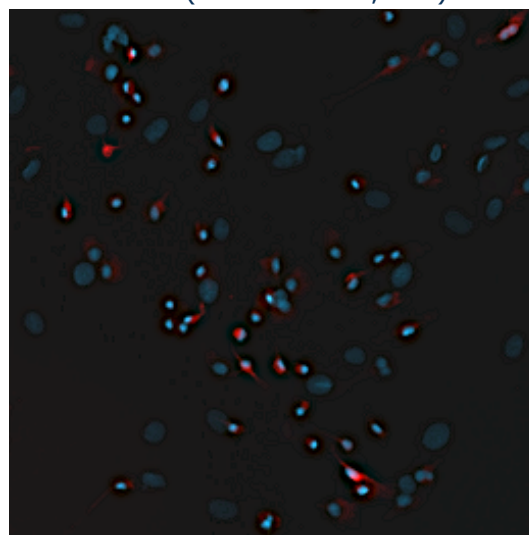
Thawing: n=2
Post-thaw viability: $81.1 \pm 4.8 \%$
Post-thaw yield per vial: $1.48 \pm 0.01 \times 10^6$ cells
Recovery: $72.2 \pm 0.1 \%$

Phagocytosis activity assay on day 6 of culture:
LPS stimulated: 15 % of cells with particle uptake
Non-stimulated: 0 % of cells with particle uptake

Phase contrast on day 3 after thawing



Fluorescence imaging after thawing:
KC specific antigen CD68 (red);
nuclei (Hoechst 33342, blue)



Note: Yield, viability, and recovery were determined at PRIMACYT using PRIMACYT's manual for thawing, plating and culture of cryopreserved non-parenchymal cells.

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:	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. Liver cells were obtained from a non-infectious, non-contagious, healthy animal.

Issued by: D. Kwapiszewski

Verified by: A. Ullrich