

**WHRL-KC Rat Cryopreserved Liver Kupffer Cells**  
**Cell Specification – Certificate of Analysis (CoA)**

Lot RLKC241022 P0

Batch Release: February 12, 2026

**Donor data**

Species: Rat (*Rattus norvegicus* forma domestica)  
Wistar:Han IGS rat // CrI:Wi(Han)

Gender: male  
Age: approx. 11 months

**Cryopreservation and Thawing**

**Cryopreservation:**

Date: Oct 28, 2024

Amount per vial:  $1.17 \times 10^6$  cells

**Thawing:** n=1

Post-thaw viability: 83.7 %

Post-thaw yield per vial:  $0.926 \times 10^6$  cells

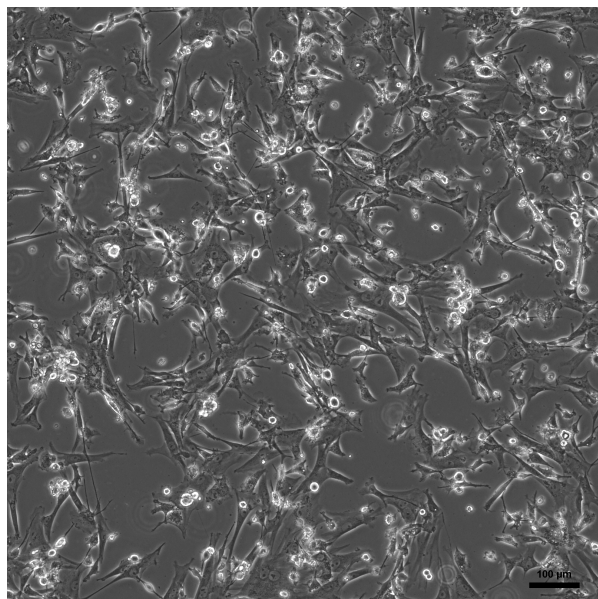
Recovery: 79.1 %

**Phagocytosis activity assay** on day 3 of culture: 40% of cells with particle uptake

**2D culture**

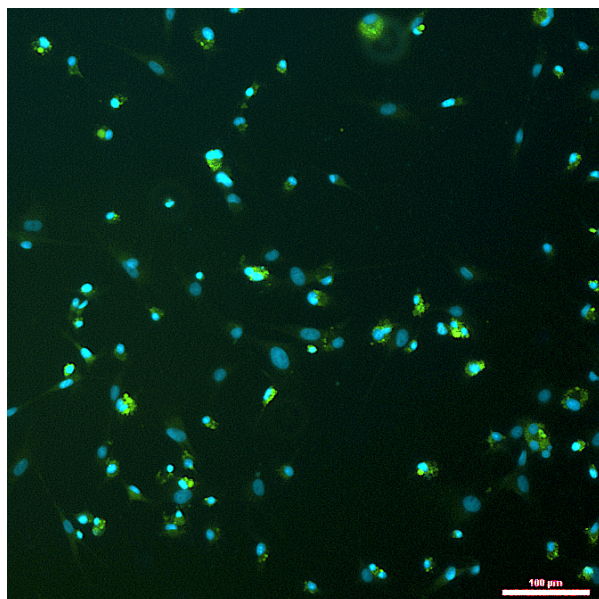
**Phase contrast**

on day 1 after thawing  
(24well plate, 100x)



**CD68 IF-staining**

Fixed on day 1 after thawing  
green = CD68, blue = nuclei  
(24well plate, 100x magnification)



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 LN<sub>2</sub>**

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   | Janvier Labs, Saint Berthevin Cedex, France  |
| Food   | Altromin Maintenance diet for rats/mice (ad libitum), Altromin, Lage, FRG                  |
| Water  | ad libitum   |
| Light/Dark cycle   | regulated day/night cycle using artificial and natural light, 10-14 hours light daily      |
| Temperature  | 20-24 °C   |
| Humidity   | 40-70 %  |
| Bedding  | Hugro hemp bedding, Saerbeck, FRG  |
| Cage   | Tecniplast Eurostandard Type III and Type IV incl. behavioural enrichments for the animals |
| Animals were housed under veterinary control and allowed to acclimate $\geq 7$ 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: E. Wagner   | Verified by: T. Krimmling  |