

**RTHCS Rainbow Trout Hepatocytes Cryopreserved for Suspension assays**  
**Cell Specification – Certificate of Analysis (CoA)**

Lot RTH230614

Batch Release: October 14, 2024

**Donor data**

Species: Rainbow trout (*Oncorhynchus mykiss*)

Gender: female

Age: sexual immature

Pool: n = 6

**Animal characteristics**

Donor	1	2	3	4	5	6
Fish weight (g)	297	365	337	357	319	415
Fish length (cm)	28	30	32	31	29	34
Gonads weight (g)	0.25	0.31	0.28	0.37	0.26	1.24
GSI (gonads weight/fish weight)	0.08	0.09	0.08	0.10	0.08	0.30
Liver weight (g)	4.9	4.9	3.0	3.6	3.2	6.9
Total liver weight (g)	26.5					

**Cryopreservation and Thawing**

**Cryopreservation:**

Date: June 13, 2023

Amount per vial:  $10.0 \times 10^6$  cells

**Thawing:** n=2

Post-thaw viability:  $99.1 \pm 0.2$  %

Post-thaw yield per vial:  $0.6 \pm 0.2 \times 10^6$  cells

Recovery: 6 %

**Suspension culture**

Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 14 °C with  $0.5 \times 10^6$  cells in 0.5 ml L15-Cryo):

Time (h)	0	1	2	3
Viability (%)	99.1	99.1	99.2	98.9

Note: Yield, viability, recovery and activity assays were performed at PRIMACYT using PRIMACYT's manual for thawing, plating and culture of primary cryopreserved hepatocytes.

Detailed animal information and husbandry conditions	
Species	Rainbow trout ( <i>Oncorhynchus mykiss</i> )
Vendor	Fish Aquaristikshop, Osterberg 11, 19061 Schwerin
Food	Alkote, Allco Heimtierbedarf GmbH & Co. KG, Thedinghausen
Light/Dark cycle	natural day / night cycle using daylight
Husbandry	3.5 cm <sup>3</sup> water tank
Stocking rate (kg/m <sup>3</sup> )	2.7 ± 0.3
Water temperature (°C)	15.9 ± 0.3
pH	8.2 ± 0.3
NH <sub>4</sub> (mg/l)	0.2 ± 0.1
NO <sub>2</sub> (mg/l)	0.3 ± 0.2
NO <sub>3</sub> (mg/l)	5.9 ± 2.6
Carbonate hardness (°dh)	8.4 ± 0.6
Salinity (‰)	0.20 ± 0.00
Conductivity (µS/cm)	568.4 ± 12.2
Acid capacity pH 4.3 (mmol/l)	3.0 ± 0.2
Animals were housed under veterinary control and allowed to acclimate ≥ 7 days before use. Liver tissues were obtained from non-infectious, non-contagious, healthy animals. The animals do not originate from a facility conducting work or research with animal pathogens.	

### 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.

Issued by: M. Reu

Verified by: T. Krimmling