

RTHCS Cryopreserved Rainbow Trout Hepatocytes for Suspension Assays																					
Cell Specification																					
Lot RTH180212-2 Pool	Batch Release: June 1, 2018 – Updated Sept 17, 2020																				
Species: Rainbow trout (<i>Oncorhynchus mykiss</i>) Strain: Christophersen, Bornhoeved Supplier: Fish breeding Christophersen Acclimation temperature: 13.2 ± 1.3 °C Age: approx. 2 years	Number and gender of animals: 2 female and 1 male sexual immature All animals were kept under controlled environmental conditions at Fraunhofer EMB in Lübeck.																				
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GSI = Gonadosomatic index																					
Cryopreservation: Date: February 12, 2018 Amount per vial: 10.2 x 10 ⁶ cells	Thawing: n = 1 Post-thaw viability: 96.7 % Post-thaw yield per vial: 2.96 x 10 ⁶ cells Recovery: 29 %																				
Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 14 °C with 0.5 x 10 ⁶ cells in 0.5 ml L-15 medium with 5 % FCS): n = 1																					
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Determination of CYP activities in suspension (Eppendorf Thermomixer C, 1000 rpm at 14 °C with 0.5 x 10 ⁶ cells in 0.5 ml L-15 medium with 5 % FCS):																					
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Animal husbandry conditions after acclimation period of 2 weeks:

Stocking rate (kg/m ³)	10.9 ± 2.0
Water temperature (°C)	13.9 ± 0.9
pH	8.0 ± 0.1
NH ₄ (mg/l)	0.0 ± 0.0
NO ₂ (mg/l)	0.1 ± 0.08
NO ₃ (mg/l)	53.6 ± 14.6
CaCO ₃ (mg/l)	167.3 ± 14.7
Salinity (‰)	0.31 ± 0.02

Note:

For thawing of fish (rainbow trout) hepatocytes please follow the manual "Thawing of Primary Cryopreserved Fish Hepatocytes".

Issued by: M. Thiede

Checked by: A. Ullrich