

RTHCS Cryopreserved Rainbow Trout Hepatocytes for Suspension Assays																											
Cell Specification																											
Lot RTH180214-2 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, male sexual immature All animals were kept under controlled environmental conditions at Fraunhofer EMB in Lübeck.																										
Animal characteristics: <table border="1"> <thead> <tr> <th>Donor</th> <th>1</th> <th>2</th> </tr> </thead> <tbody> <tr> <td>Fish weight (g)</td> <td>336</td> <td>373</td> </tr> <tr> <td>Liver weight (g)</td> <td>4.15</td> <td>6.77</td> </tr> <tr> <td>Gonad weight (g)</td> <td>0.07</td> <td>0.11</td> </tr> <tr> <td>GSI (gonad weight/fish weight)</td> <td>0.02</td> <td>0.03</td> </tr> </tbody> </table> GSI = Gonadosomatic index		Donor	1	2	Fish weight (g)	336	373	Liver weight (g)	4.15	6.77	Gonad weight (g)	0.07	0.11	GSI (gonad weight/fish weight)	0.02	0.03											
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Cryopreservation: Date: February 14, 2018 Amount per vial: 9.7 x 10 ⁶ cells	Thawing: n = 1 Post-thaw viability: 97.7 % Post-thaw yield per vial: 6.42 x 10 ⁶ cells Recovery: 66.2 %																										
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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