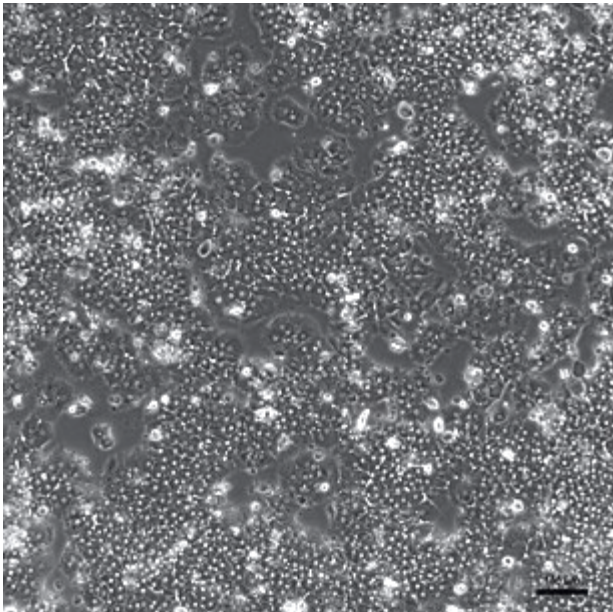
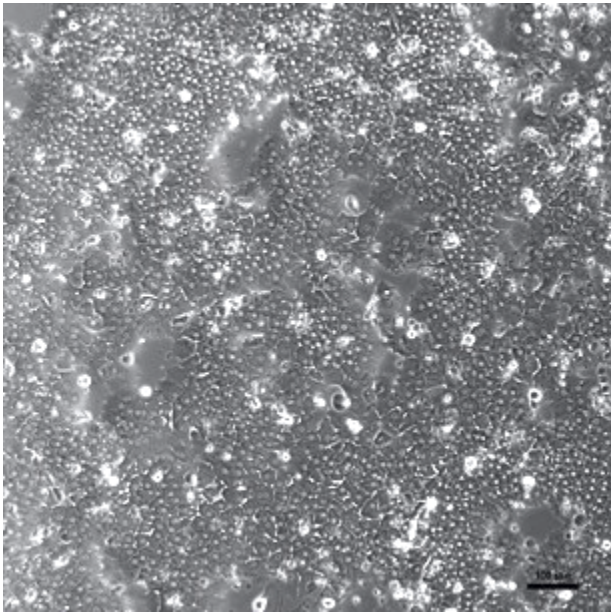


<b>CCHCS Cryopreserved Common Carp Hepatocytes for Suspension Assays Cell Specification – Certificate of Analysis (CoA)</b>					
Lot CCH200504	Batch Release: December 04, 2020				
<p>Species: Common Carp (<i>Cyprinus carpio</i>)  Supplier: Fish farm Lewitz Fisch Hermann Stahl, Neustadt-Glewe  Acclimation temperature: 13.7 ± 0.8 °C  Age: approx. 1-2 years</p>	<p>Number of animals: single donor (sexually immature)</p> <p>All animals were kept under controlled environmental conditions at "Aquaristikshop" in Schwerin.</p>				
<p>Animal characteristics:</p> <table border="1"> <tr> <td>Donor</td><td>1</td></tr> <tr> <td>Fish weight [g]</td><td>432</td></tr> </table>		Donor	1	Fish weight [g]	432
Donor	1				
Fish weight [g]	432				
<p>Cryopreservation:  Date: May 04, 2020  Amount per vial: 7 x 10<sup>6</sup> cells</p>	<p>Thawing: n =1  Post-thaw viability: 98.2 %  Post-thaw yield per vial: 2.2 x 10<sup>6</sup> cells  Recovery: 31 %</p>				
<p>Phase contrast on day 7 after thawing (24well plate)</p> 	<p>Phase contrast on day 9 after thawing (24well plate)</p> 				
<p>Recommended seeding density on Corning collagen-coated plates:  24well plate – 550,000 cells/well  Culture in Leibovitz Fish Hepatocyte Medium (L-15 Cryo).</p>					

Viability test on orbital shaker (Eppendorf Thermomixer C, 1000 rpm at 14 °C with  $0.5 \times 10^6$  cells in 0.5 ml L-15 medium with 5 % FCS):

Time [h]	0	1	2	3	4	5
Viability [%]	98.2	98.4	95.0	97.8	96.2	97.4

Animal husbandry conditions after acclimation period of 2 weeks:

Water temperature [°C]	$14.1 \pm 1.0$
pH	$8.1 \pm 0.1$
NH <sub>4</sub> [mg/L]	$0.05 \pm 0.06$
NO <sub>2</sub> [mg/L]	$0.05 \pm 0.03$
NO <sub>3</sub> [mg/L]	$12.0 \pm 1.6$
Carbonate hardness [°KH]	$8.1 \pm 0.3$
Salinity [‰]	$0.2 \pm 0.0$
Conductivity [µS/cm]	$568 \pm 5.0$

Note: For thawing of fish hepatocytes please follow the respective conditions in our manual "Thawing and Culturing of Cryopreserved Primary Hepatocytes in 2D and Suspension".

**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. Thiede

Checked by: C. Garve