

**FHCS Cryopreserved Fish (Rainbow Trout) Hepatocytes for Suspension Assays
Cell Specification**

Lot FH160907-1

Batch Release: February 7, 2017

Species: Rainbow trout Gender: male	Age: 1-2 years
Cryopreservation: Date: September 7, 2016 Amount per vial: 10.3 x 10 ⁶ cells	Thawing: Post-thaw viability: 94.2 % Post-thaw yield per vial: 2.9 x 10 ⁶ cells Recovery: 28 %

Viability test on orbital shaker (100-150 rpm at room temperature with 0.54 x 10⁶ cells in 0.55 ml HPM-Cryo):

Time (h)	0	1	2	3	4	5
Viability (%)	94.2	94.2	95.2	94.1	88.9	90.9

Determination of CYP activities in suspension:

Substrate	Metabolite	Activity (ng/min*mg)
Dextromethorphan	Dextrorphan	4.43 ± 0.07
Midazolam	1-OH-Midazolam	0.93 ± 0.09
Diclofenac	4-OH-Diclofenac	0.31 ± 0.03
Omeprazol	5-OH-Omeprazol	0.85 ± 0.01

Note:

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

Issued by: C. Garve, A. Ullrich

Checked by: J. Jia

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