

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

Lot FH160907-2

Batch Release: February 7, 2017

Species: Rainbow trout  
Gender: female

Age: 1-2 years

Cryopreservation:  
Date: September 7, 2016  
Amount per vial: 10.5 x 10<sup>6</sup> cells

Thawing:  
Post-thaw viability: 94.4 %  
Post-thaw yield per vial: 4.0 x 10<sup>6</sup> cells  
Recovery: 38 %

Viability test on orbital shaker (100-150 rpm at room temperature with 0.54 x 10<sup>6</sup> cells in 0.5 ml HPM-Cryo):

Time (h)	0	0.5	1	1.5	2	3	4	5
Viability (%)	94.4	98.4	96.1	95.9	92.2	94.9	88.0	87.0

Determination of CYP activities in suspension:

Substrate	Metabolite	Activity (ng/min*mg)
Dextromethorphan	Dextrorphan	6.90 ± 1.44
Midazolam	1-OH-Midazolam	0.80 ± 0.18
Diclofenac	4-OH-Diclofenac	0.36 ± 0.01
Omeprazol	5-OH-Omeprazol	0.67 ± 0.16

Note:

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

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