

**PHCS Cryopreserved Chicken (Pullum) Hepatocytes for Suspension assays
Cell Specification**

Lot PH160912-3

Batch Release: February 7, 2017

Species: Chicken
Gender: male

Age: approx. 1 years 5 months

Cryopreservation:
Date: September 12, 2016
Amount per vial: 11.1 x 10⁶ cells

Thawing:
Post-thaw viability: 93.5 %
Post-thaw yield per vial: 5.8 x 10⁶ cells
Recovery: 52 %

Viability test on orbital shaker (100-150 rpm at room temperature with 0.54 x 10⁶ cells in 0.5 ml HPM-Cryo):

Time (h)	0	0.5	1	1.5	2	3	4	5
Viability (%)	93.5	90.6	93.5	90.9	92.3	93.8	84.6	75.0

Determination of CYP activities in suspension:

Substrate	Metabolite	Activity (ng/min*mg)
Dextromethorphan	Dextrorphan	8.80 ± 1.70
Midazolam	1-OH-Midazolam	2.77 ± 0.33
Diclofenac	4-OH-Diclofenac	2.00
Omeprazol	5-OH-Omeprazol	0.45 ± 0.07

Note:

For thawing of chicken (pullum) hepatocytes please follow the manual "Thawing of Primary Cryopreserved Chicken 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 chicken hepatocytes.