

**DHCS Cryopreserved Duck (Mallard duck) Hepatocytes for Suspension assays  
Cell Specification**

Lot DH160804-2

Batch Release: September 21, 2016

Species: Mallard duck  
Gender: female

Age: approx. 4-6 months

Cryopreservation:  
Date: August 04, 2016  
Amount per vial:  $10.3 \times 10^6$  cells

Thawing:  
Post-thaw viability: 96 %  
Post-thaw yield per vial:  $7.1 \times 10^6$  cells  
Recovery: 69 %

Viability test on orbital shaker (100-150 rpm at room temperature with  $0.54 \times 10^6$  cells in 0.5 ml HPM Cryo):

Time (h)	0	0.5	1	1.5	2	3
Viability (%)	95.9	94.9	96.9	85.2	90.2	65.7

Determination of CYP activities in suspension:

Substrate	Metabolite	Activity (pmol/min*mg)
7-Ethoxyresorufin	Resorufin	$13.9 \pm 0.3$

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Checked by: J.Jia

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