

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

Lot DH160817-2

Batch Release: September 21, 2016

Species: Mallard duck  
Gender: female

Age: approx. 4-6 months

Cryopreservation:  
Date: August 17, 2016  
Amount per vial: 10.2 x 10<sup>6</sup> cells

Thawing:  
Post-thaw viability: 84 %  
Post-thaw yield per vial: 9.1 x 10<sup>6</sup> cells  
Recovery: 89 %

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
Viability (%)	84.4	76.2	79.2	76.7	87.0	46.3

Determination of CYP activities in suspension:

Substrate	Metabolite	Activity (pmol/min*mg)
7-Ethoxyresorufin	Resorufin	8.2 ± 0.0

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Checked by: C. Garve

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