

Cryopreserved Mouse (CD-1) Hepatocytes -
Plateable

Catalog Number: MCCP01

Lot number: MCD192

Date (D/M/Y): 23/03/2017



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<i>Donor Demographics</i>					
Species	Strain	Sex	Age	# of Animals Pooled	Manufacture Date (D/M/Y)
<i>Mouse</i>	<i>CD-1</i>	<i>Male</i>	<i>5 weeks</i>	<i>29</i>	<i>13-12-2016</i>

Storage Conditions: <-150°C

<i>Post-thaw Viability and Cell Quality Assessment</i>			
Thawing Medium Used	Optimal Centrifuge Conditions	% Viability	Viable cell yield per vial
<i>MCRT50</i>	<i>100g x 4min</i>	<i>83.7</i>	<i>5.9 x 10⁶</i>

<i>Monolayer Assessment</i>				
Plating Medium Used	Well Format	Culture Medium Used	Initial Attachment Efficiency	Monolayer Confluency @ 72 hrs
<i>Hepatocyte Plating Medium (MP100)</i>	<i>24 well</i>	<i>Hepatocyte Maintenance Medium (MM250)</i>	<i>95%</i>	<i>95%</i>

<i>ECOD</i>			
Isoform	Substrate	Marker Metabolite/ *Substrate Clearance	Activity (pmol/min/10 ⁶ cells)
<i>General</i>	<i>100 uM 7-Ethoxycoumarin</i>	<i>7-Ethoxycoumarin Clearance*</i>	<i>1588.9</i>
<i>General</i>	<i>100 μM 7-Ethoxycoumarin</i>	<i>7-Hydroxycoumarin</i>	<i>250.4</i>
<i>SULT</i>	<i>100 uM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Sulfate</i>	<i>48.96</i>
<i>UGT</i>	<i>100 uM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Glucuronide</i>	<i>655.1</i>

All incubations were concluded at 30 minutes



MCD192, 24hrs, 10x

MCD192, 72hrs, 20x

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