

Cryopreserved Mouse (CD-1) Hepatocytes -  
 Plateable  
 Catalog Number: MCCP01  
 Lot number: MCD187  
 Date (D/M/Y): 15/02/2017



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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>30</i>	<i>12-10-2016</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>84%</i>	<i>8.3 x 10<sup>6</sup></i>

<i>Monolayer Assessment</i>				
Plating Medium Used	Well Format	Culture Medium Used	Initial Attachment Efficiency	Monolayer Confluency @ 96hrs
<i>Hepatocyte Plating Medium (MP100)</i>	<i>24 well</i>	<i>Hepatocyte Maintenance Medium (MM250)</i>		

<i>Suspension Metabolism</i>			
Isoform	Substrate	Marker Metabolite/ *Substrate Clearance	Activity (pmol/min/10 <sup>6</sup> cells)
<i>General</i>	<i>100 uM 7-Ethoxycoumarin</i>	<i>7-Ethoxycoumarin Clearance*</i>	<i>N/A</i>
<i>General</i>	<i>100 μM 7-Ethoxycoumarin</i>	<i>7-Hydroxycoumarin</i>	<i>75.38</i>
<i>SULT</i>	<i>100 uM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Sulfate</i>	<i>137.33</i>
<i>UGT</i>	<i>100 uM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Glucuronide</i>	<i>167.11</i>

All incubations were concluded at 30 minutes

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