

Cryopreserved Mouse (C57Bl/6) Hepatocytes -  
Plateable

Catalog Number: MBCP01

Lot number: MBL195

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>C57Bl/6</i>	<i>Male</i>	<i>5 weeks</i>	<i>29</i>	<i>28-12-2016</i>

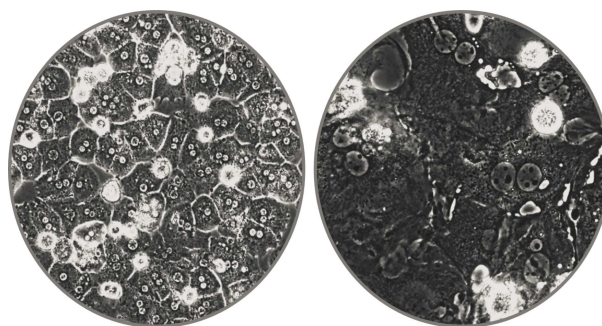
Storage Conditions: <-150°C

<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>83.6%</i>	<i>5.6 x 10<sup>6</sup></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>80%</i>

<i>ECOD</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>640.0</i>
<i>General</i>	<i>100 uM 7-Ethoxycoumarin</i>	<i>7-Hydroxycoumarin</i>	<i>260.4</i>
<i>SULT</i>	<i>100 uM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Sulfate</i>	<i>43.7</i>
<i>UGT</i>	<i>100 uM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Glucuronide</i>	<i>697.8</i>

All incubations were concluded at 30 minutes



MBL195, 24hrs, 10x

MBL195, 72hrs, 20x

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