

Cryopreserved Mouse (C57Bl/6) Hepatocytes - Plateable



Catalog Number: MBCP01

Lot number: MBL141

Date: 01/10/16

FOR RESEARCH USE ONLY. CAUTION: Not intended for diagnostic or therapeutic use. Treat all animal derived products as potentially pathogenic. Wear personal protective equipment and practice appropriate laboratory and disposal techniques for potentially pathogenic or bio-hazardous material.

<i>Donor Demographics</i>			
Species	Strain	Sex	Age
Mouse	C57Bl/6	Male	6 weeks

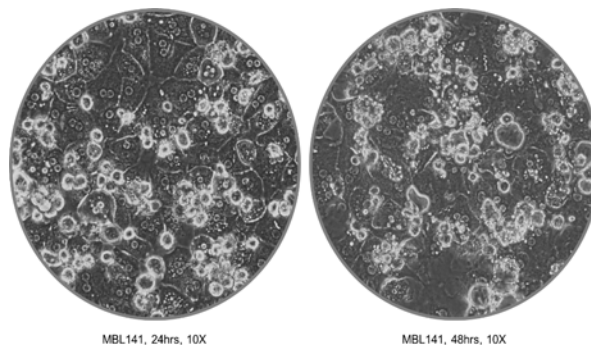
Storage Conditions: <-150°C

<i>Post-thaw Viability and Cell Quality Assessment</i>			
Thawing Medium Used	Optimal Centrifuge Conditions	% Viability	Viable cell yield per vial
MCRT50	100g x 4min	94%	5.0 x 10 ⁶

<i>Monolayer Assessment</i>				
Plating Medium Used	Well Format	Culture Medium Used	Initial Attachment Efficiency	Monolayer Confluency @ 72hrs hrs
Hepatocyte Plating Medium (MP100)	24 well	Hepatocyte Maintenance Medium (MM250)	90%	90%

<i>Suspension Metabolism</i>			
Isoform	Substrate	Marker Metabolite/ *Substrate Clearance	Activity (pmol/min/10 ⁶ cells)
General	100 uM 7-Ethoxycoumarin	7-Ethoxycoumarin Clearance*	1305.2
SULT	100 uM 7-Hydroxycoumarin	7-Hydroxycoumarin Sulfate	60.0
UGT	100 uM 7-Hydroxycoumarin	7-Hydroxycoumarin Glucuronide	1246.1

All incubations were concluded at 30 minutes



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