

Cryopreserved Rat (Wistar Han) Hepatocytes -
Plateable

Catalog Number: RWCP01

Lot number: RWH139

Date: 07/11/16



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<i>Donor Demographics</i>			
Species	Strain	Sex	Age
<i>Rat</i>	<i>Wistar Han</i>	<i>Male</i>	<i>5 weeks</i>

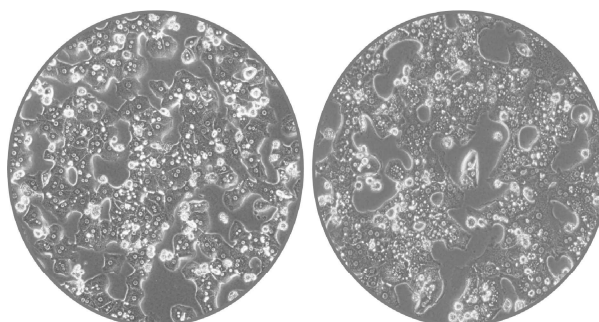
Storage Conditions: <-150°C

<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 10min</i>	<i>87%</i>	<i>6.8 x 10⁶</i>

<i>Monolayer Assessment</i>				
Plating Medium Used	Well Format	Culture Medium Used	Initial Attachment Efficiency	Monolayer Confluency @ 48 hrs
<i>Hepatocyte Plating Medium (MP100)</i>	<i>24 well</i>	<i>Hepatocyte Maintenance Medium (MM250)</i>	<i>80%</i>	<i>80%</i>

<i>Suspension Metabolism</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>N/A</i>
<i>General</i>	<i>100 μM 7-Ethoxycoumarin</i>	<i>7-Hydroxycoumarin</i>	<i>10.9</i>
<i>SULT</i>	<i>100 uM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Sulfate</i>	<i>350.9</i>
<i>UGT</i>	<i>100 uM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Glucuronide</i>	<i>721.6</i>

All incubations were concluded at 30 minutes






RWH139, 24hrs, 10X

RWH139, 48hrs, 10X

Triangle Research Labs ▲ 6 Davis Drive, Research Triangle Park, NC 27709 ▲

1.919.549.3593

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Triangle Research Labs  6 Davis Drive, Research Triangle Park, NC 27709 
1.919.549.3593 