

Cryopreserved Rat (Sprague-Dawley) Hepatocytes - Suspension



Catalog Number: RSCS01

Lot number: RSD244

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
<i>Rat</i>	<i>Sprague-Dawley</i>	<i>Male</i>	<i>9-12 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>80%</i>	<i>6.5 x 10⁶</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>1714.8</i>
<i>SULT</i>	<i>100 uM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Sulfate</i>	<i>384.1</i>
<i>UGT</i>	<i>100 uM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Glucuronide</i>	<i>1084.9</i>

All incubations were concluded at 30 minutes

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