

Cryopreserved Rat (Sprague-Dawley) Hepatocytes - Suspension



Catalog Number: RSCS01

Lot number: RSD115

Date: 04/12/16

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.

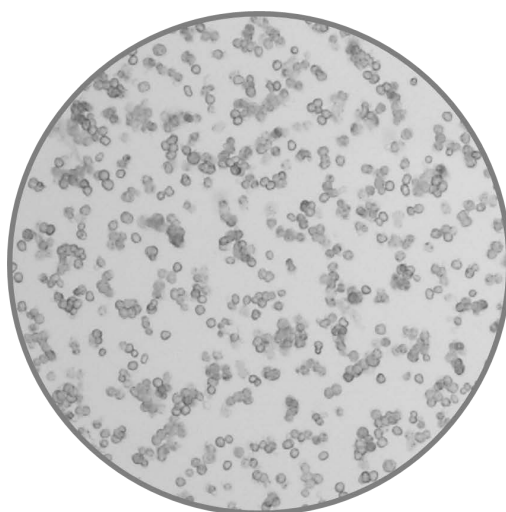
<i>Donor Demographics</i>			
Species	Strain	Sex	Age
Rat	Sprague-Dawley	Male	8-12 weeks

Storage Conditions: <-150°C

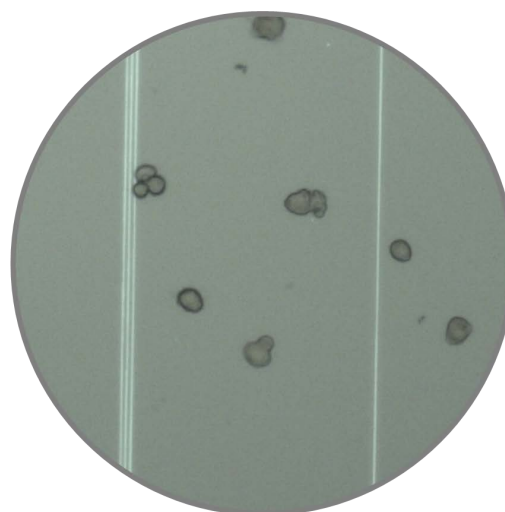
<i>Post-thaw Viability and Cell Quality Assessment</i>			
Thawing Medium Used	Optimal Centrifuge Conditions	% Viability	Viable cell yield per vial
MCRT50	100g x 10min	91%	5.3 x 10 ⁶

<i>Suspension Metabolism</i>			
Isoform	Substrate	Marker Metabolite/ *Substrate Clearance	Activity (pmol/min/10 ⁶ cells)
General	100 μM 7-Ethoxycoumarin	7-Ethoxycoumarin Clearance*	N/A
General	100 μM 7-Ethoxycoumarin	7-Hydroxycoumarin	8.0
SULT	100 μM 7-Hydroxycoumarin	7-Hydroxycoumarin Sulfate	361.0
UGT	100 μM 7-Hydroxycoumarin	7-Hydroxycoumarin Glucuronide	1107.0

All incubations were concluded at 30 minutes



RSD115, Post-thaw, 10X



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