

Human Cryopreserved Hepatocytes

Lot number: HUM4035

Date: January 3, 2014



Cryo Characterization Report (CCR)

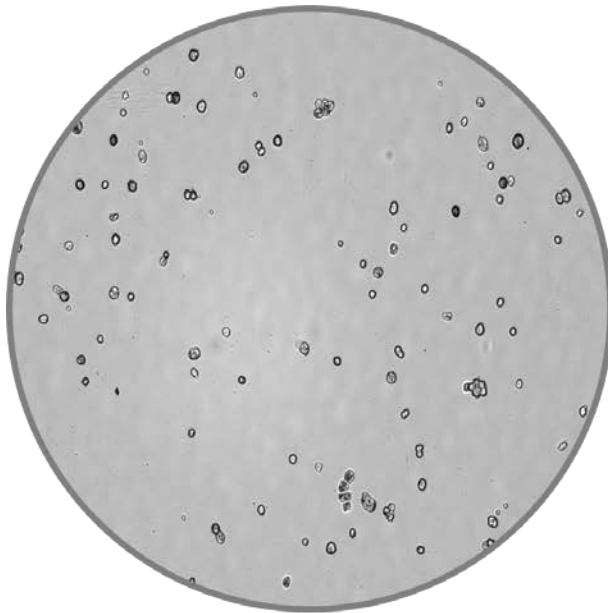
Lot Overview		
Qualification	Catalog Number	Quantity
Cryopreserved human hepatocytes, Suspension qualified	HUCS01	8.1x10 ⁶ viable cells/vial

Donor Demographics								
Sex	Race	Age	BMI	Tobacco Use	Alcohol Use	Drug Use	Serological Data	Cause of Death
Female	Caucasian	51	33	No	Social	No	CMV	Stroke

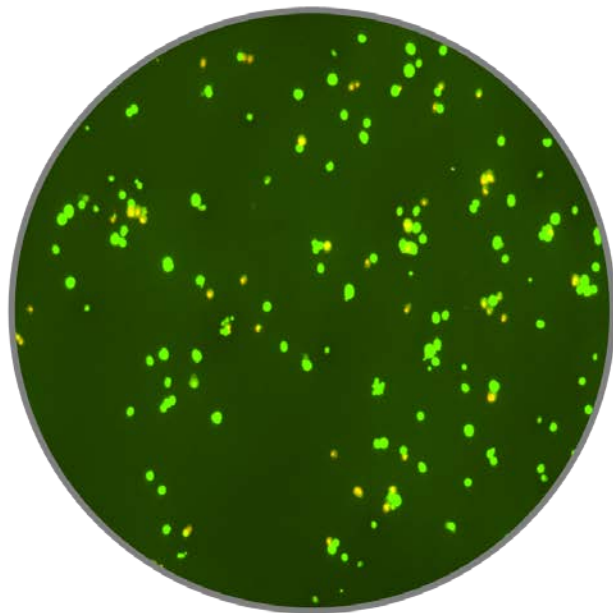
Additional donor demographic information, including relevant medical and medication history, is available upon request

Post-thaw Viability and Cell Quality Assessment			
Thawing Medium Used	Centrifuge Conditions	% Viability (post-thaw)	Viable cell yield per vial
Cryopreserved Human Hepatocyte Thawing Medium	100 x g for 8 min	90%	8.1x10 ⁶

HepatoMeter report available upon request



HUM4035 Bright Field



HUM4035 AOPI Staining

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<i>Suspension Metabolism</i>			
Isoform	Substrate	Marker Metabolite	pmol/min/10 ⁶ cells
CYP1A2	100 μ M Phenacetin	Acetaminophen	48.3
CYP2A6	5 μ M Coumarin	7-Hydroxycoumarin	327.9
CYP2B6	500 μ M Bupropion	Hydroxybupropion	16.3
CYP2C8	20 μ M Paclitaxel	6 α -Hydroxypaclitaxel	N/A
CYP2C9	25 μ M Diclofenac	4-Hydroxydiclofenac	3.58
CYP2C19	250 μ M Mephenytoin	4-Hydroxymephenytoin	N/A
CYP2D6	15 μ M Dextromethorphan	Dextrorphan	55.9
CYP2E1	250 μ M Chlorzoxazone	Hydroxychlorzoxazone	N/A
CYP3A4	200 μ M Testosterone	6 β -Hydroxytestosterone	106.8
CYP3A4	8 μ M Midazolam	Hydroxymidazolam	151.3
General	100 μ M 7-Ethoxycoumarin	7-Hydroxycoumarin	N/A
SULT	100 μ M 7-Hydroxycoumarin	7-Hydroxycoumarin Sulfate	N/A
UGT	100 μ M 7-Hydroxycoumarin	7-Hydroxycoumarin Glucuronide	N/A

<i>Suspension Metabolism</i>			
Isoform	Substrate	Marker Metabolite	pmol/min/10 ⁶ cells
General	100 μ M 7-Ethoxycoumarin	7-Hydroxycoumarin	261.6
SULT	100 μ M 7-Hydroxycoumarin	7-Hydroxycoumarin Sulfate	6.4
UGT	100 μ M 7-Hydroxycoumarin	7-Hydroxycoumarin Glucuronide	84.8

Contact customer service to place an order or to obtain additional information on any of our lots. This may include supplementary donor demographic information, current inventory, and photomicrographs at multiple timepoints and magnifications.

To contact TRL:

Main: 800-748-8979 or 919-549-3580

Sales: 919-549-3593

Email: customerservice@triangleresearchlabs.com

Web: www.triangleresearchlabs.com