

Cryo Characterization Report (CCR)

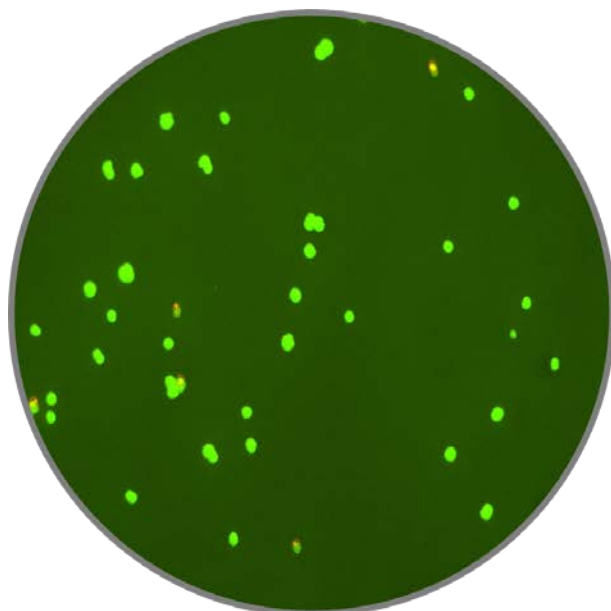
Lot Overview		
Qualification	Catalog Number	Quantity
Cryopreserved human hepatocytes, Suspension qualified	HUCS01	6.1×10^6 viable cells/vial

Donor Demographics								
Sex	Race	Age	BMI	Tobacco Use	Alcohol Use	Drug Use	Serological Data	Cause of Death
Male	Caucasian	75	28	No	Moderate	Past Marijuana use	Negative	Head Trauma

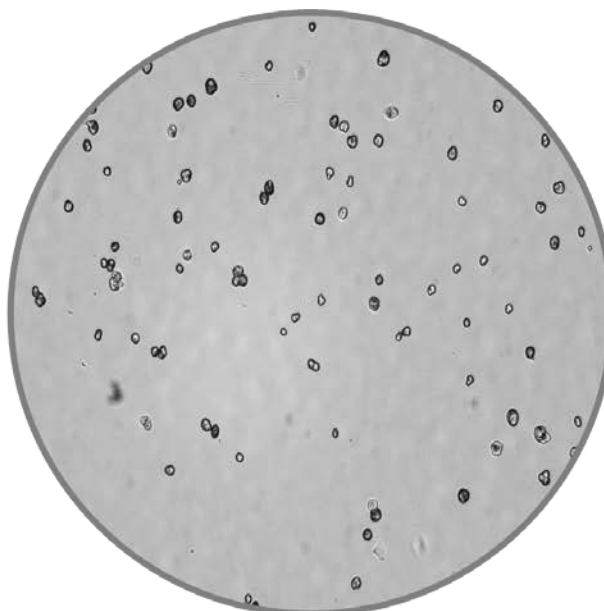
Additional donor demographic information, including relevant medical and medication history, is available upon request

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	93%	6.1×10^6

HepatoMeter report available upon request



HUM4030 Post-Thaw Viability Assessment via HepatoMeter™



HUM4030 Post-Thaw Bright Field Image

Human Cryopreserved Hepatocytes

Lot number: HUM4030

Date: January 3, 2014



<i>Suspension Metabolism</i>			
Isoform	Substrate	Marker Metabolite	pmol/min/10 ⁶ cells
CYP1A2	100 μ M Phenacetin	Acetaminophen	105.7
CYP2A6	5 μ M Coumarin	7-Hydroxycoumarin	947.1
CYP2B6	500 μ M Bupropion	Hydroxybupropion	1.1
CYP2C8	20 μ M Paclitaxel	6 α -Hydroxypaclitaxel	N/A
CYP2C9	25 μ M Diclofenac	4-Hydroxydiclofenac	9.3
CYP2C19	250 μ M Mephenytoin	4-Hydroxymephenytoin	N/A
CYP2D6	15 μ M Dextromethorphan	Dextrorphan	133.9
CYP2E1	250 μ M Chlorzoxazone	Hydroxychlorzoxazone	N/A
CYP3A4	200 μ M Testosterone	6 β -Hydroxytestosterone	394.4
CYP3A4	8 μ M Midazolam	Hydroxymidazolam	178.6
General	100 μ M 7-Ethoxycoumarin	7-Hydroxycoumarin	365.7
SULT	100 μ M 7-Hydroxycoumarin	7-Hydroxycoumarin Sulfate	25.2
UGT	100 μ M 7-Hydroxycoumarin	7-Hydroxycoumarin Glucuronide	135.0

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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:

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