

Human Cryopreserved Hepatocytes  
 Lot number: HUM4167  
 Date: 07/15/16

## Cryo Characterization Report (CCR)

Qualification		Catalog Number
Cryopreserved human hepatocytes, Induction		HUCPI

Storage Conditions: <-150°C

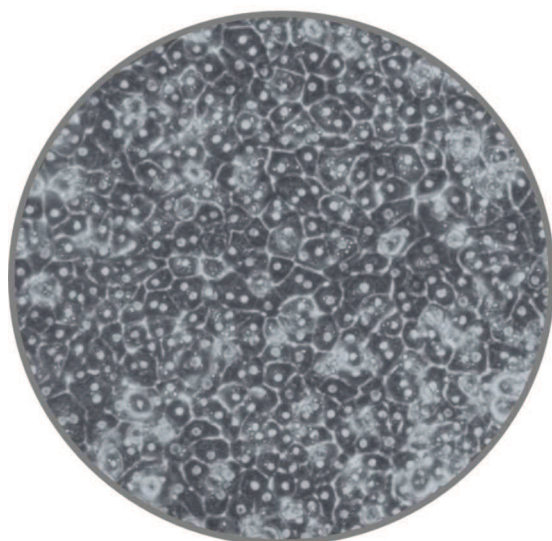
Sex	Race	Age	BMI	Tobacco Use	Alcohol Use	Drug Use	Serological Data	Cause of Death
Female	Caucasian	12 yrs	20.6	No	No	No	Negative	anoxia due to brain injury

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

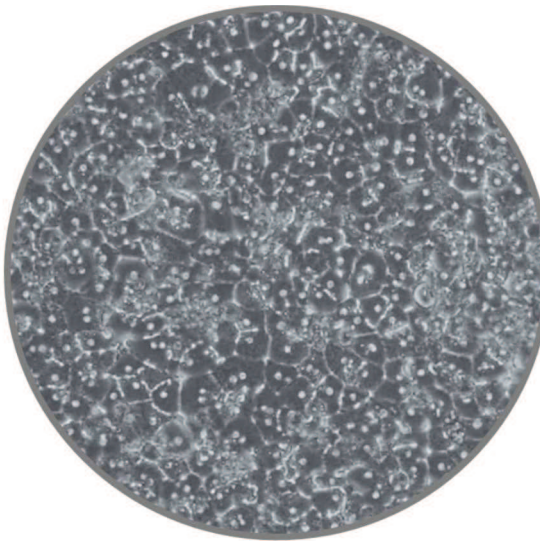
Thawing Medium Used	Optimal Centrifuge Conditions	% Viability (post-thaw)	Viable cell yield per vial
MCHT50	100 g x 8 minutes	94%	6.2 x 10 <sup>6</sup>

Plating Medium Used	Well Format	Culture Medium Used	Optimal Seeding Density	Initial Attachment Efficiency	Monolayer Confluency @ 96 hrs
Hepatocyte Plating Medium (MP100)	24 well	Hepatocyte Maintenance Medium (MM250)	0.8x10 <sup>6</sup> /mL	100%	100%

Characterization was completed in a 24-well collagen-coated plate with extra-cellular matrix overlay



HUM4167, Post-Thaw 24 hrs, 10X



HUM4167, Post-Thaw 96 hrs, 10X

<i>Induction</i>			
Isoforms	Control Inducer	Fold Induction Specific Activity	Fold Induction mRNA Expression
<i>CYP1A2</i>	<i>50µM Omeprazole</i>	<i>56.8</i>	<i>N/A</i>
<i>CYP2B6</i>	<i>1mM Phenobarbital</i>	<i>29.2</i>	<i>N/A</i>
<i>CYP3A4</i>	<i>10µM Rifampicin</i>	<i>5.6</i>	<i>N/A</i>

Cryopreserved human hepatocytes were thawed and plated on 24-well collagen I coated plates, overlaid with Matrigel©, then dosed in triplicate with vehicle control (0.1% DMSO) or control inducers for 72 hours. The fold induction was calculated by dividing the induced level by the vehicle control level.

Media products used for characterization:

MCHT50 - Cryopreserved human hepatocyte thawing medium, 50mL

MCHT50P - Cryopreserved pooled human hepatocyte thawing medium, 50mL

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-trl@lonza.com](mailto:customerservice-trl@lonza.com)

Web: [www.trlcells.com](http://www.trlcells.com)