

Human Cryopreserved Hepatocytes  
 Lot number: HUM4235  
 Date (D/M/Y): 11/09/2017



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## Cryo Characterization Report (CCR)

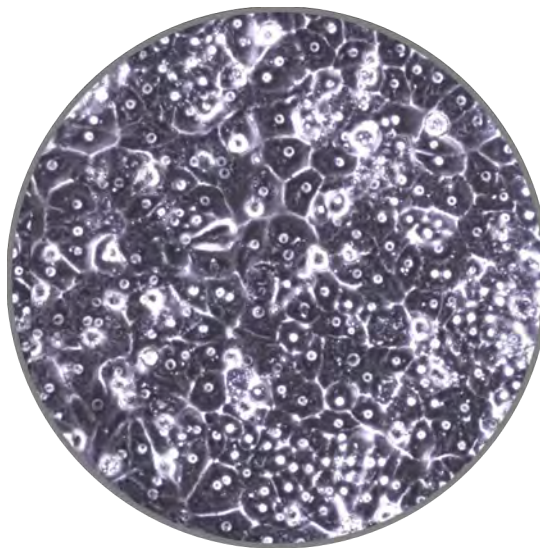
Lot Overview		
Qualification	Catalog Number	Manufacture Date (D/M/Y)
Cryopreserved human hepatocytes, Induction	HUCPI	28-04-2017

Storage Conditions: <-150°C

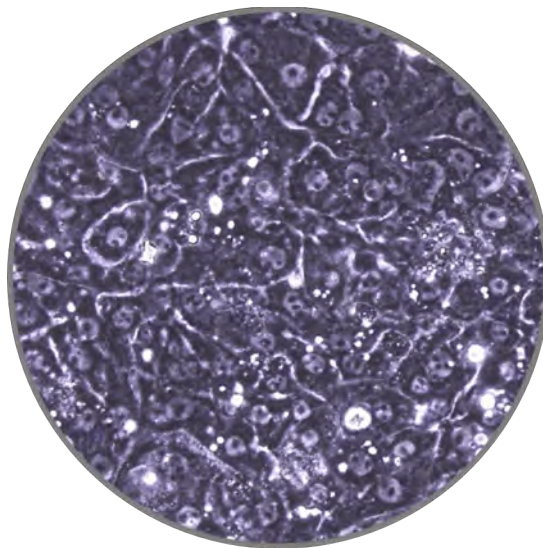
Donor Demographics								
Sex	Race	Age	BMI	Tobacco Use	Heavy Alcohol Use	Drug Use	Serological Data	Cause of Death
Male	Caucasian	21 mos	16.1	No	No	No	Negative	Anoxia (asphyxiation)

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

Post-thaw Viability and Cell Quality Assessment			
Thawing Medium Used	Optimal Centrifuge Conditions	% Viability (post-thaw)	Viable cell yield per vial
MCHT50	100 g x 8 minutes	89.1	$8.39 \times 10^6$



HUM4235, 24hrs, 10X



HUM4235, 96hrs, 20X

<i>Induction</i>				
Isoforms	Control Inducer	Fold Induction Specific Activity	Fold Induction mRNA Expression	Basal Induction (pmol/million cells/min)
<i>CYP1A2</i>	<i>50µM Omeprazole</i>	<i>67.2</i>	<i>NA</i>	<i>0.91</i>
<i>CYP2B6</i>	<i>1mM Phenobarbital</i>	<i>22.2</i>	<i>NA</i>	<i>0.35</i>
<i>CYP3A4</i>	<i>10µM Rifampicin</i>	<i>64.2</i>	<i>NA</i>	<i>6.86</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 Lonza:

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