Human Cryopreserved Hepatocytes
Lot number: HUM4233
Date (D/M/Y): 11/09/2017

Triangle Research Labs – Now Part of Lonza

Cryo Characterization Report (CCR)

Lot Overview		
Qualification	Catalog Number	Manufacture Date (D/M/Y)
Cryopreserved human hepatocytes, Induction	HUCPI	20-04-2017

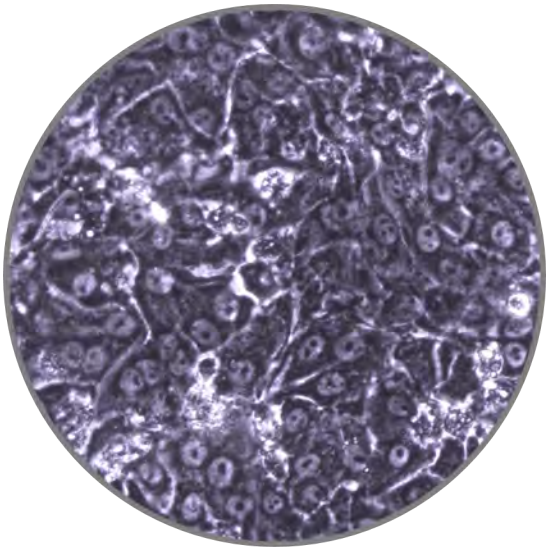
Storage Conditions: <-150°C

Donor Demographics								
Sex	Race	Age	BMI	Tobacco Use	Heavy Alcohol Use	Drug Use	Serological Data	Cause of Death
Male	Caucasian	2 mos	18.275	No	No	No	Negative	SIDS

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	79.62	8.48×10^6

HUM4233, 24hrs, 10X



HUM4233, 96hrs, 20X

Induction				
Isoforms	Control Inducer	Fold Induction Specific Activity	Fold Induction mRNA Expression	Basal Induction (pmol/million cells/min)
CYP1A2	50µM Omeprazole	28.7	NA	1.71
CYP2B6	1mM Phenobarbital	30.6	NA	0.90
CYP3A4	10µM Rifampicin	51.1	NA	11.01

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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