

Human Cryopreserved Hepatocytes
 Lot number: HUM4094
 Date (D/M/Y): 29/06/2017



Cryo Characterization Report (CCR)

| Lot Overview | | |
|--|----------------|--------------------------|
| Qualification | Catalog Number | Manufacture Date (D/M/Y) |
| Cryopreserved human hepatocytes, Induction | HUCPI | 18-08-2014 |

Storage Conditions: <-150°C

| Donor Demographics | | | | | | | | |
|--------------------|-----------|--------|-----|-------------|-------------------|----------|------------------|--|
| Sex | Race | Age | BMI | Tobacco Use | Heavy Alcohol Use | Drug Use | Serological Data | Cause of Death |
| Male | Caucasian | 15 yrs | | No | No | No | Negative-prelim | Head injury due to motorcycle accident |

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 | 80 | 5.1 x 10 ⁶ |



HUM4094, 24hrs 10X



HUM4094, 72hrs 10X

| Induction | | | | |
|-----------|-------------------|----------------------------------|--------------------------------|--|
| Isoforms | Control Inducer | Fold Induction Specific Activity | Fold Induction mRNA Expression | Basal Induction (pmol/million cells/min) |
| CYP1A2 | 50µM Omeprazole | 53.6 | 27.5 | |
| CYP2B6 | 1mM Phenobarbital | 147.2 | 22.6 | |
| CYP3A4 | 10µM Rifampicin | 34.1 | 21.2 | |

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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