

Human Cryopreserved Hepatocytes

Lot number: HUM4171

Date (D/M/Y): 09/05/2017


Lonza

Triangle Research Labs – Now Part of Lonza

Cryo Characterization Report (CCR)

<i>Lot Overview</i>		
Qualification	Catalog Number	Manufacture Date (D/M/Y)
<i>Cryopreserved human hepatocytes, Suspension</i>	<i>HUCSD</i>	<i>26-03-2016</i>

Storage Conditions: <-150°C

<i>Donor Demographics</i>								
Sex	Race	Age	BMI	Tobacco Use	Heavy Alcohol Use	Drug Use	Serological Data	Cause of Death
<i>Female</i>	<i>Asian</i>	<i>18 yrs</i>	<i>25.5</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>Negative</i>	<i>anoxia due to metabolic cerebral edema</i>

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

<i>Post-thaw Viability and Cell Quality Assessment</i>			
Thawing Medium Used	Optimal Centrifuge Conditions	% Viability (post-thaw)	Viable cell yield per vial
<i>MCHT50</i>	<i>100 g x 8 minutes</i>	<i>94</i>	<i>5.4 x 10⁶</i>

<i>Suspension Metabolism</i>			
Isoform	Substrate	Marker Metabolite/ *Substrate Clearance	Activity (pmol/min/10 ⁶ cells)
<i>GENERAL</i>	<i>100 μM 7-Ethoxycoumarin</i>	<i>7-Ethoxycoumarin Clearance*</i>	<i>183.3</i>
<i>GENERAL</i>	<i>100 μM 7-Ethoxycoumarin</i>	<i>7-Hydroxycoumarin</i>	<i>24.5</i>
<i>SULT</i>	<i>100 μM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Sulfate</i>	<i>11.5</i>
<i>UGT</i>	<i>100 μM 7-Hydroxycoumarin</i>	<i>7-Hydroxycoumarin Glucuronide</i>	<i>652.2</i>

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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