

**LiverPool™* 10-DONOR MALE POOLED CRYOPRESERVED HUMAN
HEPATOCYTES
PRODUCT NUMBER: MX008001**

Lot Number: EAP

Storage Conditions: below -150°C (vapour phase of liquid nitrogen freezer)

Test Results:

Specification

≥80% post-thaw viability by trypan blue exclusion
≥ 5 million viable cells

Result

83 %
7.50 million viable cells

Lot Characterization Results:

Assay

ECOD: total rate of formation of 7-HC and metabolites
UGT/ST:
 rate of formation of 7-hydroxycoumarin glucuronide
 rate of formation of 7-hydroxycoumarin sulfate
CYP1A2: rate of formation of acetaminophen
CYP2A6: total rate of formation of 7-HC and metabolites
CYP2B6: rate of formation of hydroxybupropion
CYP2C8: rate of formation of desethylamodiaquine
CYP2C9: rate of formation of 4'-methylhydroxytolbutamide
CYP2C19: rate of formation of 4'-hydroxymephenytoin
CYP2D6: rate of formation of dextrophan
CYP2E1: rate of formation of 6-hydroxychlorzoxazone
CYP3A4:

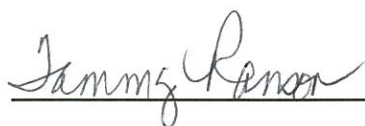
Result

112 pmol/min/million cells

531 pmol/min/million cells
38.9 pmol/min/million cells
39.1 pmol/min/million cells
80.5 pmol/min/million cells
24.8 pmol/min/million cells
230 pmol/min/million cells
53.9 pmol/min/million cells
10.0 pmol/min/million cells
28.0 pmol/min/million cells
49.7 pmol/min/million cells

84.8 pmol/min/million cells
49.1 pmol/min/million cells

*The process for producing the LiverPool™ pooled human hepatocyte products is covered by one or more U.S. or foreign patents and patent applications, including U.S. Patent No. 7,604,929.



Caution: This product was prepared from fresh human tissue. Treat all products containing human-derived materials as potentially infectious, as no known test methods can offer assurance that products derived from human tissues will not transmit infectious agents.

These products are for research use only. Do not use in animals or humans. These products have not been approved for any diagnostic or clinical procedures.

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Donor Demographics, as reported to BioreclamationIVT:

Age:	Race:	Cause of death:	Height:	Weight:	Social history:	Medical history:	Serology testing:					Hepatitis B	Hepatitis C	HIV
							EBV	RPR	CMV					
41	C	CVA; 2nd to ICH	183 cm	111 Kg	No ETOH use; Tobacco: 1/2 ppd x 26 yrs; Drugs: Ecstasy, GHB and crank (smoked, snorted and injected) x 6yrs - quit 12 yrs ago. Relapsed to snorting crank last year.	HTN 31yrs ago - took oral meds for 6 yrs. Jaundice as a baby. Recent fever d/t cold 7 mos ago, gunky sounding cough-resolved with nebulizer, fever blister, Flu & MMR vaccines 3 mos ago, asthma dx at age 6 mos - last attack 1 month ago. Meds: Albuterol inhaler	IgG+	Neg	Pos	Neg	Neg	Neg		
3	AA	Anoxia; 2 nd to Cardio-vascular	39"	15 Kg	No ETOH, Tobacco or drug use	HTN, dyslipidemia, bloody diarrhea 4 mos ago, RT knee meniscus repair 9 yrs ago	Not reported	Neg	Neg	Neg	Neg	Neg		
57	C	Anoxia	76"	93 Kg	ETOH: on special occasions; Tobacco: 1 pk/day cigarettes at least x 20 yrs; Drug: social marijuana use-wkend x 20 yrs	Renal cell carcinoma found during organ recovery; Meds: Vicodin for cervical pain	IgG+	Neg	Neg	Neg	Neg	Neg		
55	C	ICH	172 cm	69 Kg	Alcohol: 12 cans beer/day x 35yrs; Tobacco: 1-2 ppd x 39 yrs Drugs: no drug use	No medical history reported	Not reported	Neg	Pos	Neg	Neg	Neg		
43	Native American	Blunt Injury/MVA	183 cm	82.8 kg	ETOH: 24 can beer daily from age 18-26, currently 750 mL Vodka 1-2 /week x 2 years; Tobacco: 3-5 cig/day x last 3 yrs, 1ppd prior years; no drug use.	No medical history reported	Not reported	Neg	Neg	Neg	Neg	Neg		
67	H	Head Trauma, Blunt Injury	5'3"	74 Kg	Drugs: marijuana; no ETOH or tobacco use	No medical history reported	Pos	Neg	Neg	Neg	Neg	Neg		

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31	C	Anoxia	5'8"	231 lb	ETOH: sporadic since age 13 - drank until passed out; Tobacco: 1 pk/day x 17 yrs when he could afford it; Drug: "anything he could find" inc. heroin, cocaine, oxycodone, ecstasy, acid, mushrooms, and benzo - everyday x 17 yrs, snorted and smoked.	No medical history reported	IgG+	Neg	Neg	Neg	Neg	Neg
38	C	CVA; 2nd to ICH	70"	216 lb	Alcohol: beer/wine on special occasions, 1-3 drinks x 15 yrs. Tobacco: 1/2 - 1 ppd cigarettes for past 20 yrs. Drugs: Marijuana occasionally, possible 1-2 yrs.	Tested high for lead as a child, difficulty walking 6 mos ago, sx on ears and testicles at age 2-3, stroke like symptoms 10 days prior, DM & HTN complaint - dx 10 days ago, allergic to wheat, carrots, and potatoes; Meds: lisinopril, saxagliptin, metformin	Not reported	Neg	Neg	Neg	Neg	Neg
57	C	CVA; 2nd to ICH	5'11"	211 lb	ETOH: 1 beer/yr adult life, No Tobacco or Drug use.	HTN x 5yrs, DM Type II x 5yrs - not controlled due to pt's diet - unknown if compliant w/meds, cellulitis due to 2" cat bites and scratches, Knee surgery due to MVA 29 yrs ago, PNA, spider bite x6 yrs ago, appendectomy. Meds: HTN Meds, Insulin Metformin	IgG +	Neg	Neg	Neg	Neg	Neg
57	C	CABG Complications	72"	172 lb	ETOH: 1 drink/mo x 40yrs; Tobacco: 1ppd x 40yrs; no drug use	CAD, Stent placement x 3 - 9 yrs ago, AFib, mitral valve regurgitation.	Not reported	Neg	Pos	Neg	Neg	Neg

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