

**LiverPool™ 5-DONOR MIXED GENDER POOLED CRYOPRESERVED HUMAN  
HEPATOCYTES**  
**PRODUCT NUMBER: X008052**

**Lot Number:** YQV

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

**Test Results:**

<u>Specification</u>	<u>Result</u>
≥80% post-thaw viability by trypan blue exclusion	90 %
≥ 5 million viable cells	7.26 million viable cells

**Lot Characterization Results:**

<u>Assay</u>	<u>Result</u>
ECOD: total rate of formation of 7-HC and metabolites	89.3 pmol/min/million cells
UGT/ST:	
rate of formation of 7-hydroxycoumarin glucuronide	435 pmol/min/million cells
rate of formation of 7-hydroxycoumarin sulfate	37.8 pmol/min/million cells
CYP1A2: rate of formation of acetaminophen	38.1 pmol/min/million cells
CYP2A6: total rate of formation of 7-HC and metabolites	71.4 pmol/min/million cells
CYP2B6: rate of formation of hydroxybupropion	28.4 pmol/min/million cells
CYP2C8: rate of formation of desethylamodiaquine	234 pmol/min/million cells
CYP2C9: rate of formation of 4'-methylhydroxytolbutamid	76.2 pmol/min/million cells
CYP2C19: rate of formation of 4'-hydroxymephenytoin	16.3 pmol/min/million cells
CYP2D6: rate of formation of dextrophan	27.7 pmol/min/million cells
CYP2E1: rate of formation of 6-hydroxychlorzoxazone	38.6 pmol/min/million cells
CYP3A4:	
rate of formation of 6β-hydroxytestosterone	112 pmol/min/million cells
rate of formation of 1-hydroxymidazolam	55.1 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.

**Donor Demographics, as reported to BioreclamationIVT:**

Age/ Gender:	Race:	Cause of death:	Height:	Weight:	Social history:	Medical history:	Serology testing:					HIV
							EBV	RPR	CMV	Hepatitis B	Hepatitis C	
53F	C	Anoxia, 2nd to Cardiovas- -cular	66 "	59 Kg	No ETOH, Tobacco or Drug use	asthma, mental disability, epilepsy, petit mal seizures, vagal nerve stimulator, frequent UTIs, Meds: seizure medication and others unknown	IgG+	Neg	Neg	Neg	Neg	Neg
55M	C	ICH	172 cm	68.5Kg	Alcohol: 12 cans beer/day x 39 yrs Tobacco: 1-2 ppd x 39 yrs Drugs: no drug use	Renal cell carcinoma found during organ recovery; Meds: Vicodin for cervical pain	Neg	Neg	Pos	Neg	Neg	Neg

**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.

Age/ Gender:	Race:	Cause of death:	Height:	Weight:	Social history:	Medical history:	EBV	RPR	CMV	Hepatitis B	Hepatitis C	HIV
33M	C	Head trauma, GSW	6'5"	87 Kg	ETOH: Whiskey daily, unknown amount last 8 yrs, started with beer, last 2 yrs got heavy; Tobacco: 1ppd x 16 yrs; no drug use	No medical history	IgG+	Not reported	Neg	Neg	Neg	Neg
19moM	C	Anoxia, Drowning	33.5"	13 Kg	No ETOH, Tobacco or Drug use	No medical history	IgG+	Neg	Neg	Neg	Neg	Neg
33F	B	Anoxia; 2nd to CHF	57"	47 Kg	No ETOH, Tobacco or Drug use	grand mal seizures dx 8 mos ago, spinal fusion 20 yrs ago, eye surgery 7 yrs ago, asthma dx 12 y/o, glaucoma OU, scoliosis, trisomy. Meds: keppra, acetazolamide, pilocarpine, brimonidine tartrate, pataday, systane, polyulsol vitamins, albuterol, pulmicort	Not reported	Neg	Neg	Neg	Neg	Neg

Carolyn P. Watt

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