

# LiverPool™ 5- and 10-Donor Purpose-Pooled<sup>SM</sup> Cryoplateable Human Hepatocytes\*

BioreclamationIVT provides purpose-pooled<sup>SM</sup> cryoplateable hepatocytes designed for your unique purposes that have the characterization and quality you need for your research. LiverPool cryoplateable hepatocytes are used to conduct toxicity, inhibition and metabolism studies.

## Features and Benefits

- **Purpose-Pooled:** A proprietary algorithm, drawing up a cell database of known substrate performances, selects cryoplateable hepatocytes lots from a well-characterized cell bank to achieve targeted enzyme levels.
- **Characterization:** All LiverPool products are fully characterized across numerous substrates to ensure consistency and reliability.
- **Format Choice:** Available in 5- and 10-donor pool sizes.
- **Savings:** In both time and money, LiverPool hepatocytes enable researchers to eliminate pooling procedures, characterization testing and costly multi-donor work.
- **Large Lot Sizes:** All contributory hepatocyte lots are sourced from whole, intact, transplant-quality livers, ensuring each donor lot can create large product sizes. This enables researchers to have great consistency across multiple experiments.
- **Quality:** All LiverPool lots must meet and exceed stringent quality control specifications prior to release.
- **Custom Product Design:** The LiverPool Purpose-Pooling technique allows researchers to order specific product specifications and donor pool sizes and creates custom products to suit.
- **Reproducibility:** Allows multiple experiments at different times from a single donor.
- **Quick Response:** HepatAlert notifies customers when new lots of cryoplateable human hepatocytes are available.

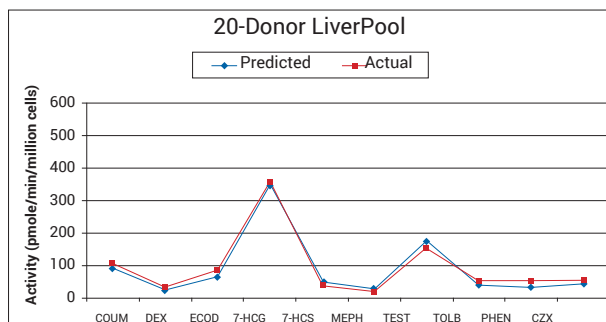
LiverPool cryoplateable hepatocytes are created using a proprietary pooling technology and a proven database algorithm, LiverPool cryoplateable hepatocytes enables researchers to study multiple single-gender or mixed-gender donors in a single experiment.

\* 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.

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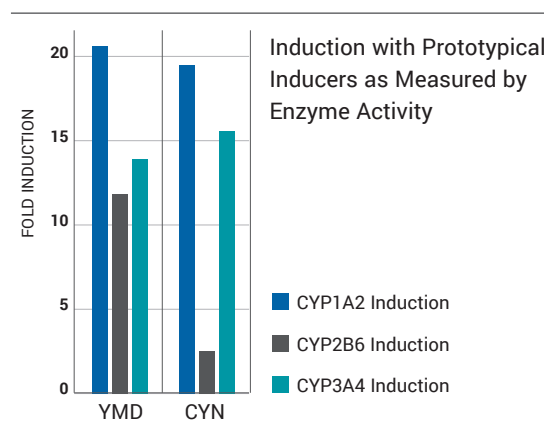
## Technical Information

Our patented LiverPool product is blended to ensure sufficient activity levels in all CYP categories. LiverPool cryoplateable hepatocytes are commonly used for metabolism, induction and toxicity studies. BioreclamationIVT's LiverPool cryoplateable human hepatocytes have high levels of induction following treatment with known inducers omeprazole (CYP1A2), phenobarbital (CYP2B6), and rifampin (CYP3A4). All Liverpool cryoplateable lots have greater than 70% viability and greater than 70% confluence on day 5. BioreclamationIVT recommends the use of *InVitroGRO*™ CP medium (Product No. Z99029) and *Torpedo*™ Antibiotic Mix (Product No. Z99000) for thawing and plating the LiverPool cryoplateable human hepatocytes.



Targeted and actual data enzyme characterization from a LiverPool 20-donor purpose-pooled cryopreserved hepatocyte lot.

LiverPool™ 5- and 10-Donor Purpose-Pooled Cryopreserved Human Hepatocytes



## Ordering Information

BioreclamationIVT LiverPool 5- and 10-donor purpose-pooled cryopreserved human hepatocytes are readily available for purchase as 5 million viable cells per vial with greater than 70% viability.

Product No.	Description
X008052-P	5-Donor Purpose-Pooled Cryoplateable Human Hepatocytes, Mixed Gender
X008001-P	10-Donor Purpose-Pooled Cryoplateable Human Hepatocytes, Mixed Gender

For more information about BioreclamationIVT product offerings, go to [bioreclamationivt.com](http://bioreclamationivt.com).

## Characterization Information

Product No.	Lot No.	Description	Viability	PHEN	COUM	TOLB	MEPH	DEX	CZX	TEST	ECOD	7-HCG	7-HCS
X008052-P	YMD	5-Donor, Mixed Gender	84%	5	44	51	4	43	37	73	117	410	31
X008001-P	UGK	10-Donor, Mixed Gender	85%	5	60	60	11	29	39	91	110	387	49

\* Note: Units are pmol metabolite/min/10<sup>6</sup> cells.

(COUM: coumarin, DEX: dextromethorphan, ECOD: ethoxycoumarin, 7-HCG: 7-hydroxycoumarin glucuronide, 7-HCS: 7-hydroxycoumarin sulfate, MEPH: S-mephenytoin, TEST: testosterone, TOLB: tolbutamide, PHEN: phenacetin, CZX: chlorzoxazone)

LiverPool™ is a trademark of BioreclamationIVT.

Purpose-Pooled is a service mark of BioreclamationIVT.

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