

Cryoplateable Human Hepatocytes

Cryoplateable human hepatocytes are available from male and female donors. Hepatocytes from BioreclamationIVT are isolated from fresh, whole livers and cryopreserved the same day. Cryoplateable human hepatocytes are used for long-term studies like biliary excretion, induction and toxicity.

Features and Benefits

- **Convenience.** No waiting for fresh livers
- **High Quality.** Established responsiveness to inducers
- **Full Characterization.** Known phenotypes and donor demographics
- **Reproducibility.** Allows multiple experiments at different times from a single donor
- **Easy to Use.** Allows multiple donor studies in the same experiment
- **Quick Response.** HepatAlert notifies customers when new lots of cryoplateable human hepatocytes are available
- **High Throughput.** Use in 96-, 384- and 1536-well plates.

The FDA Guidance states that “freshly isolated human hepatocytes or cryopreserved hepatocytes that can be thawed and cultured are the preferred liver tissue” for induction studies.*

* Drug Interaction Studies - Study Design, Data Analysis, and Implications for Dosing and Labeling Recommendations (draft):
Guidance for Industry, FDA, February 2012.

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Product Information

Product No.	Description	Size
M00995-P	Male Human	5 million viable cells
F00995-P	Female Human	5 million viable cells

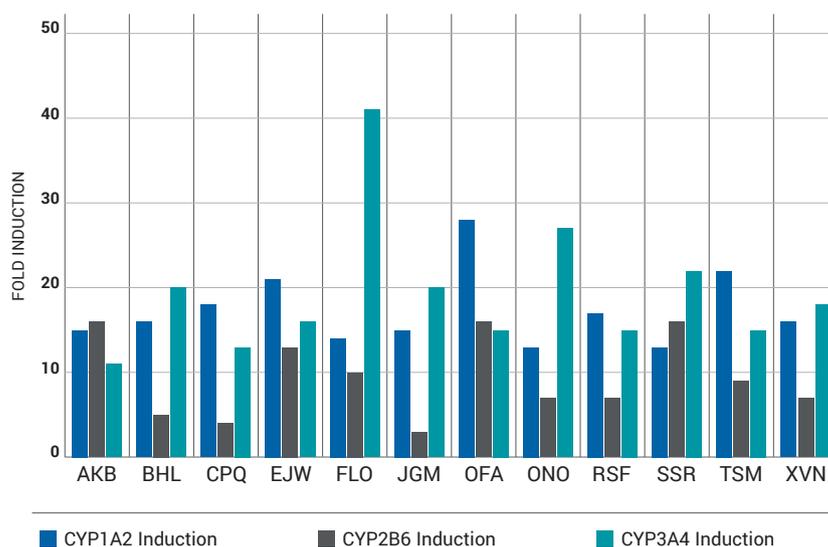
Refer to the characterization table for available lots.
Visit www.bioreclamationivt.com/tables.

All twenty donors demonstrate induction with omeprazole (CYP1A2), phenobarbital (CYP2B6) and rifampin (CYP3A4) at the following dose concentrations respectively, 50 μ M, 1mM and 25 μ M.

Technical Information

Cryoplateable hepatocytes are commonly used for biliary excretion, induction and toxicity studies. More recently, scientists also have been using cryoplateable hepatocytes to study transporter uptake, viral transduction and gene induction. BioreclamationIVT cryoplateable human hepatocytes have high levels of induction following treatment with known inducers omeprazole (CYP1A2), phenobarbital (CYP2B6), and rifampin (CYP3A4). All plateable lots have greater than 70% viability and greater than 70% confluence on day 5. BioreclamationIVT recommends the use of *InVitroGRO*TM CP medium (Product No. Z99029) and *Torpedo*TM Antibiotic Mix (Product No. Z99000) for thawing and plating the cryoplateable human hepatocytes.

Induction with Prototypical Inducers as Measured by Enzyme Activity



HepatA!ertTM

BioreclamationIVT's HepatA!ert is the fastest way to get notified when new lots of hepatocytes are available. Visit www.bioreclamationivt.com/hepatalert to sign up now.

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