

Fresh Hepatocytes

Freshly isolated hepatocytes represent a living biological system in which coupled phase I and II chemical metabolism can be evaluated. BioreclamationIVT provides hepatocyte suspensions and plated hepatocytes from a variety of species.

Hepatocyte suspensions are used in short-term studies (<4 hours). Plated hepatocytes are recommended for long-term studies.

The isolation schedule for our fresh animal hepatocytes can be found on the BioreclamationIVT web site calendar. Availability of human hepatocytes depends on tissue acquisition.

Primary hepatocytes can be used for metabolic pathway identification and induction experiments as indicated in the FDA Guidance.*

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

Fresh Hepatocytes

Features and Benefits

- **Quick Response.** Customer is notified immediately of availability of human hepatocytes
- **Convenience.** Hepatocytes are available in multi-well plates, or in suspension
- **High-throughput screening (HTS).** Plated primary cultures of hepatocytes in a 96-well format provide an innovative solution for your HTS program
- **Quality.** As the leader in hepatocyte technology, BioreclamationIVT has more experience and expertise in producing and characterizing these products than any other organization

Regular hepatocyte isolations are scheduled for the following species:

- Sprague-Dawley[®] rat (male)
- Cynomolgus monkey (male)
- Beagle dog (male)
- ICR/CD-1[®] mouse (male)

Custom Orders

BioreclamationIVT can prepare custom orders of fresh hepatocytes from various species including customer supplied tissues. Additionally, we can prepare fresh hepatocytes based on your timeline. Typical custom orders include New Zealand white rabbit, Dutch Belted rabbit, C57BL/6 mouse, Lewis rat, and BALB/c mouse. To receive a quote for custom orders, send an e-mail message to IVTProductsRequest@bioreclamationivt.com.

Technical Information

Upon notification of the availability of fresh human tissue, we provide donor demographics and medical histories in addition to the available formats and pricing. Our animal isolations follow a regular schedule and a notification is sent each month for the upcoming isolations.

Fresh hepatocytes are supplied in the following formats

Plates and T-Flasks

- 6-well plate
- 12-well plate
- 24-well plate
- 48-well plate
- 96-well plate

Plate Configurations

- collagen/no overlay
- collagen/collagen overlay
- collagen/Matrigel[™] overlay*

Suspension - minimum order of 10 million cells



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Sprague Dawley[®] is a registered trademark and trademark of Harlan Sprague Dawley Incorporated.

CD-1[®] is a registered trademark of Charles River Laboratories.

InVitroGRO[™] and Torpedo[™] are trademarks of BioreclamationIVT Inc.

Matrigel[™] is a trademark of Becton, Dickinson and Company

*Matrigel plates have an additional charge

BioreclamationIVT recommends the use of *InVitroGRO*[™] HI medium and Torpedo[™] Antibiotic Mix with our fresh human and animal hepatocytes.

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 **BioreclamationIVT**
The complete resource for all biologicals