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Take the dive with Gibco pooled hepatocytes

Human Plateable Hepatocytes (5-donor)

- Highly viable plateable hepatocytes
- Lot-specific characterization data
- Thawing and plating process is compatible with existing protocols
- >90% post-thaw viability
- >6 million cells per vial*
- Up to 5 days plating with Williams' E supplemented medium and up to 10 days with Gibco™ HepExtend™ Supplement

Get the power and convenience of a pooled population of plateable primary hepatocytes in a single vial. Gibco™ Human Plateable Hepatocytes (5-donor) are a mixture of plateable primary hepatocytes produced by combining cells from five individual donors in a single vial. Pooling cells from five donors helps to minimize lot-to-lot variation and improves predictability of drug metabolism studies and other biological assays.

Five donors in a single vial

The cells are provided in a cryopreserved format similar to single-donor plateable hepatocytes and are pooled in a validated process to help ensure consistent performance.

Verified activity

Every lot of pooled plateable hepatocytes is tested for Phase I enzyme activity, cell viability, plating efficiency, and morphology.

Consistent cell attachment

High-quality plateable primary hepatocytes with *in vivo*–like enzyme expression levels and proper cell morphology increase the ability to draw *in vitro* and *in vivo* correlations, enabling sound decisions regarding a compound's fate.

Pooled Human Plateable Hepatocytes (5-donor) enable greater experimental efficiency than single-donor hepatocytes.

Figure 1. Product workflow. Customers can use our Human Plateable Hepatocytes (5-donor) in their current single-donor workflow or add HepExtend Supplement for even better cell health and long-term growth.

* Cells have been tested for enzyme induction and metabolic clearance.

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Functionality of five donors in one convenient vial

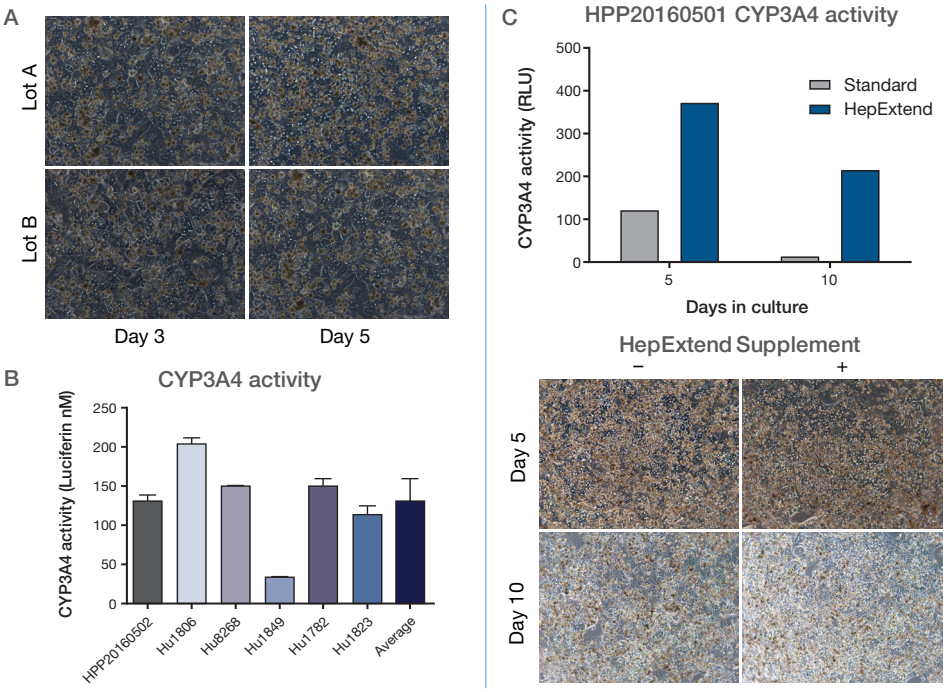

Figure 2A. Viability, yield, and plating of two test lots. Plated pooled hepatocytes form a uniform monolayer and bile canaliculi consistent with normal hepatocyte function.

Figure 2B. Metabolic activity (CYP3A4) in pooled plateable hepatocytes compared to the average activity of individual donors. The pooled plateable manufacturing process is optimized and validated so that each donor lot is represented when plated and cultured according to the recommended protocol. The average of the metabolic functions of the five individual donors (Hu1806, Hu8268, Hu1849, HU1782, and Hu1823) is comparable to the activity of the pooled sample (HPP20160502).

Figure 2C. HepExtend Supplement extends life and function of pooled cells. Single-donor lots are typically assayed for three to five days depending on the application. The pooled plateable hepatocytes can be cultured with media supplemented with HepExtend Supplement, which not only improves overall cell health, but also extends the culture time to 10 days and longer in some cases. This longer culture time can be useful in DDI studies and analysis of low-turnover compounds.

Ordering information

Product	Cat. No.
Human Plateable Hepatocytes, 5-Donor	HMCPP5
Williams' E Medium, no phenol red	A1217601
HepExtend Supplement (50X)	A2737501
Primary Hepatocyte Maintenance Supplements	CM4000
Collagen I, Coated Plate	A11428
Geltrex LDEV-Free Reduced Growth Factor Basement Membrane Matrix	A1413201

Find out more at **thermofisher.com/5donorheps**

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