

HH2 Suspension Primary Human Hepatocytes

Description and Applications

High quality primary human hepatocytes for suspension culture.

These cells are suitable for hepatic clearance assays and short-term metabolic stability studies. These cells enable *in vivo* correlations from *in vitro* data to form conclusions regarding a candidate drug's effect on the liver.

All cells available from Cell Guidance Systems are from ethically sourced surgical samples. Donor consent is compliant with all applicable US, UK and EU rules and directives. Surgical material has been gently processed under stringently controlled conditions to yield the highest quality cells for reliable results.

Specifications

Number of Cells per vial	>5 million
Number of donors	10 donor pools
Pathogen testing	Tested negative for HBV, HCV and HIV. No bacterial or fungal overgrowth
Viability	>75%
Threshold	CYP and phase II enzyme activity: 6 hours before loss of 50% viability
Monolayer formation	Not guaranteed to form a monolayer
Additives	Thawing medium, percolation medium
Metabolic parameters	Not evaluated

Shipping Stability and Storage

Shipping	Liquid nitrogen
Stability and Storage	Liquid nitrogen (stable for up to 12 months)

General Guidance for Handling and Use

- **Handling:** Cells should be transferred to liquid nitrogen storage immediately upon receipt.
- **Plating:** Cells should always be pipetted gently