

PRIMARY CRYOPRESERVED HUMAN HEPATOCYTES



CYTES
BIOTECHNOLOGIES S.L.

Ref: HuHEC

PRIMARY CRYOPRESERVED HUMAN HEPATOCYTES (HuHEC)

Human hepatocytes have become the 'gold standard' for evaluating hepatic metabolism and toxicity of drugs and other xenobiotics *in vitro*. Moreover, they are becoming utilized more extensively for many kinds of biomedical research, including a variety of biological, pharmacological and toxicological studies. For this reason, hepatocyte acquisition is now a critical step for research activities.

The limited availability of human hepatocytes makes cryopreservation a good option to provide researchers with a sufficient amount of viable liver cells.

HuHEC are produced under rigorous QC Standards and supplied with:

- Demographic and clinical donor profile
- Cells Characterization
- Culture protocols

Categories:

- HeHuCS: Suspension
- HeHuCPM: Metabolism Certified
- HeHuCPI: Induction Certified
- HeHuCPT: Induction and Transporters Certified
- HeHuCP: Thawed cells and Plated

* These formats may also include 3D qualified hepatocytes (see our catalog)

Shipping conditions: Dry Ice (-80°C) & LN2 (-196°C)

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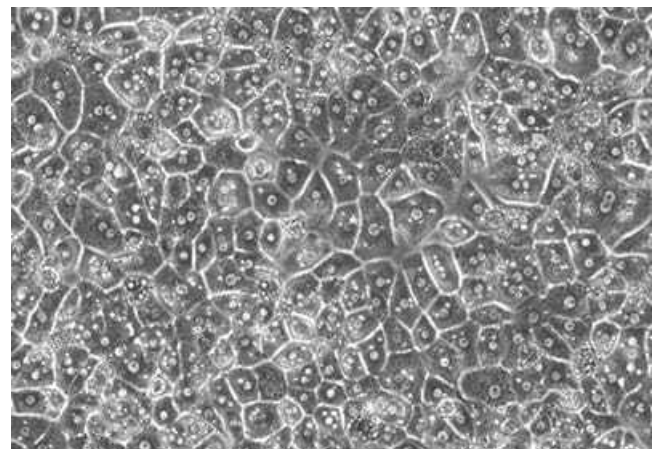
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CHARACTERIZATION

- Viability & Yield
- Monolayer assessment
- CYP450 drug-metabolizing enzyme activity (Phase I)
- UGT & SULT activities (Phase II)
- Transporters

COMMON USES

- Metabolism analysis
- Toxicity assessments
- Enzyme activity studies
- Prediction of metabolic clearance
- Drug-drug interaction assays
- Hepatotoxicity
- Among Others



Primary cryopreserved human hepatocytes 24h after seeding