

Science & Technology

Frequently Asked Questions: SOVICYTE Technology

1. How long can cryopreserved hepatocytes stored in liquid nitrogen?

When stored below -150 °C the cells remain viable for at least five years. Enzyme activities remain unchanged during this period.

2. Can cryopreserved hepatocytes be thawed and frozen again to save unused cells for future experiments?

No, refreezing of SOVICYTE cryopreserved hepatocytes reduces their viability and may damage CYP enzymes.

3. Is it possible to grow confluent monolayers from cryopreserved hepatocytes?

Yes, our plateable cryopreserved hepatocytes will attach to appropriate support materials such as collagen. Our customers tell us that the confluency obtained with our cells is exceptionally high.

4. Can Sovicell guarantee consistent production of cryopreserved human hepatocytes?

Yes, our hepatocyte products are manufactured under strict GMP regulations, which assure constant quality.

5. Do SOVICYTE cell products comply with European ethical codes and the UK human tissue act?

Yes, our primary cells are produced in the European Union and comply with all European regulations and guidelines as well as with the UK human tissue act.