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**Manuscript NO:** 59138

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*Observational Study*

**Adult human liver slice cultures: Modelling of liver fibrosis and evaluation of new anti-fibrotic drugs**

Daria Kartasheva-Ebertz, Jesintha Gaston, Loriane Lair-Mehiri, Pierre-Philippe Massault, Olivier Scatton, Jean-Christophe Vaillant, Vladimir Alexei Morozov, Pol Stanislas, Sylvie Lagaye

**Abstract**

BACKGROUND

Liver fibrosis can result in end-stage liver failure and death.

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Apr 01, 2008 · This may represent a simple approach to **study liver fibrosis** and **test anti-fibrotic compounds**, and will be even more predictive for **human drug development** when **human liver slices** are used. Therefore, in the present study we examined the responses of **fibrogenic cells in human liver slices** during control incubation and determined whether fibrogenesis occurs in the **liver slices**.

Cited by: 62

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Publish Year: 2008

## Precision-cut liver slices: a versatile tool to advance ...

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**Liver slices** are the ideal **ex vivo model** to investigate the mechanisms of **viral infection** and replication, **viral life cycle** and dynamics of **virus propagation in native tissue** and to **evaluate** the efficacy of new **antiviral drugs**.

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### [\[PDF\] Liver fibrosis in vitro: cell culture models and ...](#)

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By combining the use of the different cell and tissue **culture models**, the mechanisms underlying multicellular **fibrosis** development can be studied in vitro and potential pro- or anti-fibrotic properties of