

10

Name of Journal: *World Journal of Gastroenterology***Manuscript NO:** 39776**Manuscript Type:** ORIGINAL ARTICLE**Basic Study**

A novel sericin-based hepatocyte serum-free medium and sericin's effect on hepatocyte transcriptome

Yun Huang, Qing Peng, Hai-Yan Li, Zhi-Dong Jia, Yang Li, Yi Gao

Abstract**AIM**

To develop a novel hepatocyte serum-free medium based on sericin, and to explore the effect of sericin on hepatocyte transcriptome.

METHODS

A controlled trial comparing the novel serum-free medium and other media:

Match Overview

1	Internet 67 words crawled on 14-Nov-2010 www.zju.edu.cn	1%
2	Crossref 65 words Xie, X., F. Pei, H. Wang, Z. Tan, Z. Yang, and P. Kang. "Icarin: A promising osteoinductive compound for repairing ..."	1%
3	Crossref 43 words Marsigliante, Santo, Carla Vetrugno, and Antonella Mucilli. "CCL20 induces migration and proliferation on breast cancer cells."	1%
4	Internet 31 words crawled on 22-Dec-2013 www.science.gov	<1%
5	Internet 29 words crawled on 24-Nov-2015 www.ncbi.nlm.nih.gov	<1%
6	Internet 27 words crawled on 09-Jan-2008 www.invitrogen.com	<1%
7	Internet 20 words crawled on 23-Mar-2018 www.thermofisher.com	<1%



[全部](#)[图片](#)[购物](#)[新闻](#)[视频](#)[更多](#)[设置](#)[工具](#)

找到约 7 条结果 (用时 0.47 秒)

An improvement in the attaching capability of cryopreserved human ...

<https://www.ncbi.nlm.nih.gov/pubmed/20525438> - 翻译此页

作者: Y Miyamoto - 2010 - 被引用次数: 20 - 相关文章

2010年6月3日 - The methodology of cryopreservation of human **hepatocytes** ... the cell-attaching capability in the **serum-free** freezing **medium**. ... The present results indicated that **sericin** combined with maltose is a **novel** additive in the **serum-free** ... Adult; Calorimetry, Differential Scanning; Cell Adhesion/drug **effects**; Cell ...

缺少字词: based sericin's transcriptome

Hepatocyte proliferation in vitro: its dependence on the use of serum ...

<https://www.ncbi.nlm.nih.gov/pubmed/6584889> - 翻译此页

作者: R Enat - 1984 - 被引用次数: 440 - 相关文章

Hepatocyte proliferation in vitro: its dependence on the use of **serum-free** hormonally defined **medium** and substrata of extracellular matrix. ... **Media**; DNA Replication; Growth Substances/pharmacology; Liver/drug **effects**; Liver/physiology* ...

缺少字词: novel sericin based sericin's transcriptome

Hepatocyte-supported serum-free culture of rat liver sinusoidal ... - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/10845657> ▼ 翻译此页

作者: P Krause - 2000 - 被引用次数: 47 - 相关文章

Hepatocyte-supported **serum-free** culture of rat liver sinusoidal endothelial cells. ... Conditioned **medium** of adult rat **hepatocytes** proved to be the most effective ... DNA content and cell number per dish with a

全部

图片

新闻

视频

购物

更多

设置

工具

找到约 520 条结果 (用时 0.52 秒)

An improvement in the attaching capability of cryopreserved human ...

<https://www.ncbi.nlm.nih.gov/pubmed/20525438> - 翻译此页

作者: Y Miyamoto - 2010 - 被引用次数: 21 - 相关文章

2010年6月3日 - The methodology of cryopreservation of human **hepatocytes** ... the cell-attaching capability in the **serum-free** freezing **medium**. ... The present results indicated that **sericin** combined with maltose is a **novel** additive in the **serum-free** ... Adult; Calorimetry, Differential Scanning; Cell Adhesion/drug **effects**; Cell ...

缺少字词: based transcriptome

Serum-free, long-term cultures of human hepatocytes: maintenance of ...

<https://www.ncbi.nlm.nih.gov/pubmed/10694475> - 翻译此页

作者: D Runge - 2000 - 被引用次数: 124 - 相关文章

2000年3月5日 - **Serum-free**, long-term cultures of human **hepatocytes**: maintenance of ... of human **hepatocytes** in a chemically defined **serum-free medium** for ...

缺少字词: novel sericin based sericin's transcriptome

Feeder-free and serum-free production of hepatocytes, cholangiocytes ...

<https://www.ncbi.nlm.nih.gov/pubmed/22384928> - 翻译此页

作者: N Nakamura - 2012 - 被引用次数: 38 - 相关文章

Feeder-free and **serum-free** production of **hepatocytes**, cholangiocytes, and their ... the efficient differentiation of multifunctional **hepatocytes** from human embryonic ... Cell Proliferation*/drug **effects**; Culture Media, Serum-Free/pharmacology* ...

缺少字词: novel sericin based sericin's transcriptome

silk protein sericin: Topics by Science.gov

<https://www.science.gov/topicpages/s/silk+protein+sericin>

Non-Mulberry and Mulberry Silk Protein **Sericins** as Potential Media ... that all the **sericins** promote the growth of L-929 cells in **serum-free** culture media; however, ... Sericin can be a potential **novel**



Novel sericin-based hepatocyte serum-free medium and sericin's effect c



全部

图片

新闻

视频

购物

更多

设置

工具

找到约 5 条结果 (用时 0.52 秒)

An improvement in the attaching capability of cryopreserved human ...

<https://www.ncbi.nlm.nih.gov/pubmed/20525438> - 翻译此页

作者: Y Miyamoto - 2010 - 被引用次数: 21 - 相关文章

2010年6月3日 - The methodology of cryopreservation of human **hepatocytes** ... the cell-attaching capability in the **serum-free** freezing **medium**. ... The present results indicated that **sericin** combined with maltose is a **novel** additive in the **serum-free** ... Adult; Calorimetry, Differential Scanning; Cell Adhesion/drug **effects**; Cell ...

缺少字词: **based sericin's transcriptome**

silk protein sericin: Topics by Science.gov

<https://www.science.gov/topicpages/s/silk+protein+sericin>

Sericin can be a potential **novel serum** substitute or an additive for cell culture and ... In addition, conferring protection against **free** radicals and oxidative damage add more ... **Effect** of Silk Protein Processing on Drug Delivery from Silk Films Silk **sericin**-alginate-chitosan microcapsules: **hepatocytes** encapsulation for ...

silk protein sericin: Topics by WorldWideScience.org

<https://worldwidescience.org/topicpages/s/silk+protein+sericin.html>

For two decades, the protein-**based** silk fibroin was extensively used in the research **Sericin** can be a potential **novel** serum substitute or an additive for cell culture ... the **effects** of **sericin** supplementation for **serum-free** freezing **medium** on the Silk **sericin**-alginate-chitosan microcapsules: **hepatocytes** encapsulation for ...

Protocols and Video Articles Authored by Jia Liu - JoVE

https://www.jove.com/author/Jia_Liu ▼ 翻译此页

In the present study, voxel-**based** morphometry (VBM) was employed to explore Renal function expressed as **serum** creatinine, blood urea nitrogen as well as Recently, these types of agents have shown a **novel** therapeutic **effect** on NAFLD. ... a direct **effect** on lipid metabolism of **hepatocytes** and inflammation in liver.

Takemasa Tsuji's research works | Roswell Park Cancer Institute ...