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In vitro expansion and genetic modification of gastrointestinal stem ...

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作者: H Miyoshi - 2013 - [被引用次数: 36](#) - [相关文章](#)

2013年11月14日 - Long-term in vitro culture of gastrointestinal epithelial cells was first ... an inhibitor for Rho-associated protein kinase (ROCK), and SB431542, ... we recovered conditioned media at different time points (1–3 days) ... Primary organoids (small intestinal and colonic) after infection show a Freezing media.

Establishment of Human Epithelial Enteroids and Colonoids from ...

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作者: MM Mahe - 2015 - [被引用次数: 1](#) - [相关文章](#)

2015年3月6日 - A long-term primary culture system for mouse intestinal crypts has been ... culture media that allow their growth and maintenance over time. ... long-term culture of epithelial organoids derived from human small intestine and colon^{22,23}. Clevers²² that efficiently results in human enteroids and colonoids.

Long-term Expansion of Epithelial Organoids From Human Colon

www.medscape.com/viewarticle/753047_3 ▾ [翻译此页](#)

In contrast, small intestinal organoids constitutively expressed the Wnt ... (C) Culture efficiency is determined under 3 different conditions: ENR, ... protein kinase p38 (SB202190) on human colon crypt organoids. ... Indeed, we observed the same phenotype in the p38 inhibitor– treated intestinal organoids (Figure 3D vs E).

Disease Modeling and Gene Therapy of Copper ... - ScienceDirect

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 Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 30036

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Long-term culture-induced phenotypic difference and efficient cryopreservation of small intestinal organoids by treatment timing of Rho kinase inhibitor

Han SH *et al.* Optimal long-term culture and cryopreservation of intestinal organoids

Sung-Hoon Han, ² Sehwan Shim, Min-Jung Kim, Hye-Yun Shin, Won-Suk Jang, Sun-Joo Lee, Young-Woo Jin, Seung-Sook Lee, Seung Bum Lee, Sunhoo Park

Abstract

AIM

To investigate a suitable long-term culture system and optimal cryopreservation of intestinal organoid to improve organoid-based therapy by acquiring large numbers of

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Culture and establishment of self-renewing human and mouse adult ...

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2016年8月25日 - Development of the protocol for **organoid culture** from liver and pancreas cells ... with our own expertise in stem cell **cultures** from adult **small intestine** and Thus, adult pancreas **organoid cultures** will expand in the **long term** in the **Rho kinase inhibitor** Y-27632 dihydrochloride (Sigma-Aldrich, cat. no.

Organoid culture systems for prostate epithelial tissue and prostate ...

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作者: J Drost - 2016 - [被引用次数: 9](#) - [相关文章](#)

2016年1月21日 - 2) enabling us to establish **culture** conditions supporting **long-term** growth of ... mouse **phenotypes**, 4) human prostate cancer-derived **organoids** genetically ... Interestingly, the **Rho kinase inhibitor** Y-27632 and the presence of feeder ... Recovery Cell **Culture Freezing** medium (Life Technologies, cat. no.

Primary Murine Small Intestinal Epithelial Cells, Maintained in Long ...

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作者: KK Macartney - 2000 - [被引用次数: 43](#) - [相关文章](#)

We describe a method for **long-term culture** of primary **small intestinal** ... Cell-culture-adapted murine rotavirus strain EDIM infected primary IEC and m-ICcl2 cells to murine **small intestinal** cell line that maintains a crypt **phenotype** (4), were Epithelial cells were digested from intestinal fragments as intact **organoids** (Fig.

IPDF Dissection of Adult Human Small Intestinal Epithelial Stem Cells by ...

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Long-term expansion of epithelial organoids from human colon - NCBI

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作者: T Sato - 2011 - 被引用次数: 454 - 相关文章

2011年9月2日 - Long-term expansion of epithelial organoids from human colon, ... and an inhibitor of p38, were required for long-term culture of human small ...

Wnt and Neuregulin1/ErbB signalling extends 3D culture of hormone ...

www.nature.com > Nature Communications > Articles - 翻译此页

作者: T Jardé - 2016

2016年10月26日 - Three-dimensional culture systems and organoids for mammary glands are ... epidermal growth factor (EGF) treatment allows long-term expansion of murine ... in driving organoid growth using small molecule Wnt inhibitors and a ml⁻¹), Rspo (100 ng ml⁻¹) and the Rho Kinase inhibitor Y-27632 (10 μM), ...

Culture and establishment of self-renewing human and mouse adult ...

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2016年8月25日 - Development of the protocol for organoid culture from liver and pancreas cells ... with our own expertise in stem cell cultures from adult small intestine and Thus, adult pancreas organoid cultures will expand in the long term in the Rho kinase inhibitor Y-27632 dihydrochloride (Sigma-Aldrich, cat. no.

. Human colon culture. (A) The effect of nicotinamide on... - Scientific ...

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from publication 'Long-term Expansion of Epithelial Organoids From Human ... (B) The effect of small molecule inhibitor for Alk4/5/7 (A83-01) and for the mitogen-activated protein kinase p38 (SB202190) on human colon crypt organoids. the same phenotype in the p38 inhibitor– treated intestinal organoids (Figure 3 D vs ...

[PDF] Proliferation of Adult Human Small Intestinal Epithelial Stem Cells by...

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