

国内版国际版

Microsoft Bing

Methods to produce iMSCs: Mesenchymal Stem Cells from induced

Sign in

ALLIMAGESVIDEOS

13,300 ResultsAny time

Exosomes secreted by human-induced pluripotent stem cell ...

<https://pubmed.ncbi.nlm.nih.gov/26268554>

Methods: Human iPSCs (iPS-S-01, C1P33, and PCKDSF001C1) were used to differentiate into iMSCs in a modified one-step method. iMSCs were characterized by flow cytometry and multipotent differentiation potential analysis. Ultrafiltration combined with a purification method was used to isolate iMSCs-Exo, and transmission electron microscopy and Western blotting were used to identify iMSCs-Exo.

Cited by: 187Author: Guo-wen Hu, Guo-wen Hu, Qing Li, Xin ...

Publish Year: 2015

Generation and Applications of Induced Pluripotent Stem ...

<https://www.hindawi.com/journals/sci/2018/9601623>

<AbstractIntroductionDerivation of Mscs from iPSCsConclusion ar>

Mesenchymal stem cells (MSCs) are adult stem cells with fibroblast-like morphology and isolated from

Search Tools

Turn off Hover Translation (关闭取词)

Human induced pluripotent stem cell-derived mesenchymal ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5780084>

Nov 15, 2017 · Abstract. The transplantation of **mesenchymal stem cells (MSCs)** has been a reported method for alleviating atherosclerosis (AS). Because the availability of bone **marrow-derived MSCs (BM-MSCs)** is limited, the authors used this study to explore the use of a new type of MSC, human **induced pluripotent stem cell-derived MSCs (iPSC-MSCs)**, to evaluate whether these cells could alleviate AS. ...

Cited by: 5

Author: Hui Shi, Meiling Liang, Weiyan Chen, Xiutin...

Publish Year: 2017

Maturation of Human Induced Pluripotent Stem Cell-Derived ...

<https://pubmed.ncbi.nlm.nih.gov/30217728>

In this study, we proposed that the functionality or phenotype of differentiated cardiomyocytes derived from human **induced pluripotent stem cells (iPSC-CMs)** might be modified by co-culture with **mesenchymal stem cells (MSCs)**, resulting in an improved therapeutic potential for ...

Cited by: 84

Author: Shohei Yoshida, Shigeru Miyagawa, Satsuk...

Publish Year: 2018

Generation and Applications of Induced Pluripotent Stem ...

<https://pubmed.ncbi.nlm.nih.gov/30154868>

In this paper, we review **methods** that induce and characterize MSCs derived **from induced pluripotent stem cells (iPSCs)** and introduce MSC applications to disease modeling, pathogenic mechanisms, and drug discovery. We also discuss the potential applications of MSCs in regenerative medicine including **cell-based therapies** and issues that should be overcome before iPSC-derived MSC therapy will be ...

Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 65098

Manuscript Type: REVIEW

**Methods to produce induced pluripotent stem cell-derived mesenchymal stem cells:
Mesenchymal stem cells from induced pluripotent stem cells**

Dupuis V *et al.* Methods to produce iMSCs

Abstract

Mesenchymal Stem Cells (MSCs) have received significant attention in recent years due to their large potential for cell therapy. Indeed, they have been shown to secrete a wide variety of immunomodulatory factors of interest for the treatment of immune-related disorders and inflammatory diseases. MSCs can be extracted from multiple tissues of the human body. However, several factors may restrict their use for clinical applications: the requirement of invasive procedures for their isolation, their limited

Match Overview

1	Internet 25 words crawled on 02-Sep-2020 www.mdpi.com	1%
2	Internet 16 words crawled on 22-Oct-2020 link.springer.com	<1%
3	Internet 14 words crawled on 31-May-2021 www.hindawi.com	<1%

国内版

国际版

Methods to produce induced pluripotent stem cell-derived mesen



ALL

IMAGES

VIDEOS

102,000 Results

Any time ▾

Human induced pluripotent stem cell-derived mesenchymal ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5780084>

Nov 15, 2017 · Abstract. The transplantation of **mesenchymal stem cells (MSCs)** has been a reported method for alleviating atherosclerosis (AS). Because the availability of bone **marrow-derived MSCs** (BM-MSCs) is limited, the authors used this study to explore the use of a new type of MSC, human **induced pluripotent stem cell-derived MSCs (iPSC-MSCs)**, to evaluate whether these cells could alleviate ...

Cited by: 5

Author: Hui Shi, Meiling Liang, Weiyan Chen, Xiut...

Publish Year: 2017

Maturation of Human Induced Pluripotent Stem Cell-Derived ...

<https://pubmed.ncbi.nlm.nih.gov/30217728>

In this study, we proposed that the functionality or phenotype of differentiated cardiomyocytes derived from human **induced pluripotent stem cells (iPSC-CMs)** might be modified by co-culture with **mesenchymal stem cells (MSCs)**, resulting in an improved ...

Cited by: 84

Author: Shohei Yoshida, Shigeru Miyagawa, Sats...

Publish Year: 2018

PEOPLE ALSO ASK

How are human induced pluripotent stem cells similar to mesenchymal stem cells? ▾

How are pluripotent stem cells used in tendon regeneration? ▾

Why are mesenchymal stem cells a good candidate for treatment? ▾

Feedback

Therapeutic potential of human induced pluripotent stem ...

<https://pubmed.ncbi.nlm.nih.gov/23394436>

Large-scale production and noninvasive **methods** for harvesting **mesenchymal stem cells (MSCs)**, particularly in elderly individuals, has prompted researchers to find new patient-specific sources for **MSCs** in regenerative medicine. This study aims to produce **MSCs** from human **induced pluripotent stem**