

Springer Nature 实验室指南数据库 AI 平台 -

Methods Muse 使用指南

Springer Nature 现推出实验室指南数据库 AI 平台-Methods Muse，正在进行公开测试、免费使用中。

我校已购买 **SpringerProtocols (Springer 实验室指南)** , **Nature Protocols**, **Nature Methods**, 除了通过 Springer Nature Link, Springer Nature Experiments 平台揭示/访问购买资源外, 现已可以通过 **Methods Muse** 进行检索、发现和访问。

1. 访问网址: <https://methodsmuse.springernature.com/>
或通过 Springer Nature Experiments (Springer Nature 实验室指南平台) 进行链接。

The screenshot shows the Springer Nature Experiments website. At the top, there is a search bar with the placeholder text "e.g. technique, organism, antibody...". Below the search bar, there are navigation tabs for "Springer Protocols", "Nature Protocols", "Nature Methods", and "Nature Reviews Methods Primers". The main content area features a large banner with the text "Life Sciences Protocols and Methods Discovery Platform" and a sub-headline "Maximize your research progress with the leading portfolio of top quality and trustworthy protocols, methods, reviews, and more." Below the banner, there is a table with the following data:

Protocols & Methods	Overview	Research	Primers	News
69273	12425	2589	183	2560

At the bottom of the page, there is a section titled "Find, Evaluate and Implement". On the right side, there is a "New" notification box with the text "Discover Methods Muse - an AI platform for your lab protocols." and a list of links: "Generate Protocol", "Troubleshoot", "Ask Methods Muse", and "About Methods Muse".

2. 使用 Springer Nature Link 账号登录后, 便可以与 Methods Muse 进行交流。

The screenshot shows the Methods Muse login page. At the top, there is the text "Methods Muse". Below this, there is a blue icon of a brain inside a square frame with a grid pattern. Below the icon, there is a green button with the text "Log in/Sign up". At the bottom of the page, there is a small text that reads "By continuing, you agree to our [Terms and Conditions](#)."

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我是一名研究生一年级学生，导师让我进行小鼠肝癌细胞的蛋白质提纯，我该用什么方法？

Methods Muse

Protein Purification Protocol for Mouse Hepatocellular Carcinoma Cells

Purpose

This protocol aims to purify proteins from mouse hepatocellular carcinoma (HCC) cells to facilitate subsequent analyses, such as Western blotting or mass spectrometry.

Materials

Item	Specifications	Quantity
Peristaltic pump	Capable of 1–10 mL/min	1
Water bath	Set at 37 °C	1
Sterilized glass bottles	100 mL wide-mouth	3
Sterile conical tubes	50 mL	5
70-µm filter	Disposable mesh or reusable stainless steel	1

Ask me anything... →

4. Methods Muse 同时也会给出参考文献，并提供链接，方便读者进行原文全文的查阅和下载。

References -

[Advanced Method for Isolation of Mouse Hepatocytes, Liver Sinusoidal Endothelial Cells, and Kupffer Cells \[2017\]](#)

[Capture of the newly transcribed RNA interactome using click chemistry \[2021\]](#)

[Purification and Analysis of Male Germ Cells from Adult Mouse Testis \[2017\]](#)

[A microfluidic device for epigenomic profiling using 100 cells \[2015\]](#)

[Isolation and Culture of Adult Human Liver Progenitor Cells: In Vitro Differentiation to Hepatocyte-Like Cells \[2010\]](#)



Springer Protocols (2017)

Springer Protocols

Advanced Method for Isolation of Mouse Hepatocytes, Liver Sinusoidal Endothelial Cells, and Kupffer Cells

Authors: Jia Liu^{1,2}, Xuan Huang², Melanie Werner³, Ruth Broering³ ... Mengji Lu²

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PDF

Full Text

Abstract

Separation of pure cell populations from the liver is a prerequisite to study the role of hepatic parenchymal and non-parenchymal cells in liver physiology, pathophysiology, and immunology. Traditional methods for hepatic cell separation usually ...more

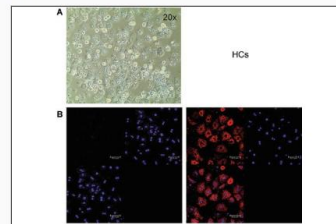
Experimental Specifications

Techniques Reagents Other Keywords

Magnetic Activated Cell Sorting
Phase Contrast Microscopy

Figures (3) & Videos (0)

Fig. 1



欢迎对 Methods Muse 进行使用和测试，如果有任何的问题或反馈可联系我们。