

Resource Summary Report

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Mouse 2- Step Collagenase Liver Perfusion protocol

DOI:10.17504/protocols.io.53qg8mw

Type: Protocol

Proper Citation

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Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.53qg8mw>

Authors: Michael Cheng, Xue-Zhong Ma, Chao Jiang, Ian McGilvray, Sonya Macparland

Summary: Analyzing the mouse liver requires optimal cell recovery from the tissue in terms of quality (viability) and quantity. Harsh dissociation methods can damage fragile cell populations, resulting in low viability and difficulty in cell culture. We have developed a gentle surgical and enzymatic technique based on the two-step collagenase perfusion protocol for single-cell analysis and primary cell culture.

Affiliations: University of Toronto, University of Toronto, University of Toronto, University of Toronto, University of Toronto

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