Resource Summary Report

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S.O.F protocol for nuclei isolation from fresh and frozen tissues using OptiPrep® discontinuous gradient

DOI:10.17504/protocols.io.brdcm22w
Type: Protocol

Proper Citation

Luciano Martelotto 2021. S.O.F protocol for nuclei isolation from fresh and frozen tissues using OptiPrep® discontinuous gradient . protocols.io dx.doi.org/10.17504/protocols.io.brdcm22w

Protocol Information

URL: https://dx.doi.org/10.17504/protocols.io.brdcm22w

Authors: Luciano Martelotto

Summary: This protocol is the result of the combination of various nuclei isolation protocols for single cell RNA-seq experiments using droplet-based methods, and is an extension of the Frankenstein (S.O.F means Son Of Frankenstein). Developed to prepare nuclei isolates from fresh and frozen material of small-to-large sizes. The good thing is that it does not uses FACS but OptiPrep® discontinuous gradient to remove debris. It is the alternative protocol when FACS is not available.

Affiliations: Harvard Medical School

External URL: https://research.unimelb.edu.au/centre-for-cancer-research/our-research/single-cell-innovation-lab

Version: 1

Publication Date: 2021

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