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## Nuclei Isolation for Human Ovary Explants



Forked from [Hybrid protocol for Nuclei Isolation and 10X Genomics Single Cell 5' Gene Expression for Human Ovary Explants](#)

DOI

<https://dx.doi.org/10.17504/protocols.io.e6nvw1632lmk/v1>

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**Protocol status:** Working

**We use this protocol and it's working**

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## Disclaimer

This protocol needs prior approval by the users' institutional review board (IRB) or equivalent ethics committee(s).

## Abstract

This protocol uses fresh frozen human ovary explants to isolate nuclei suspension.

## Guidelines

This protocol needs prior approval by the users' institutional review board (IRB) or equivalent ethics committee(s).

## Materials

Refers to the various protocol documents for a complete list of the material required.



## Nuclei Isolation Protocol for Human Ovary Explants

- 1 Chapter 1—Single Cell Gene Expression & Chromium Fixed RNA Profiling of the protocol CG000505 REV A was used to isolate nuclei from frozen human ovary explants with the following modifications: 1) a cordless motor pestle (VWR, Catalog number 47747-370) was used for Step f, Page 30 and 2) the samples were incubated for 15 min on ice for Step h, Page 30.

<https://www.10xgenomics.com/support/single-cell-gene-expression/documentation/steps/sample-prep/chromium-nuclei-isolation-kit-sample-prep-user-guide>

### Protocol references

The following protocols from 10X Genomics were used for the different steps:

Nuclei Isolation: CG000505 REV A