Singulator™ Nuclei Protocol Submission

Please complete this form as thoroughly as possible. For submission, questions and support, email community@s2genomics.com.
For more information on the Singulator systems, consumables and applications, email inquiries@s2genomics.com.

General Information | Study Identification

Protocol Name: Mouse buccal mucosa nuclei isolation

Investigator Name: Irit Miller

Investigator Email: irit.millerzmora@ucsf.edu

Secondary Investigator(s):

Secondary Email(s):

Tissue Species:mouse

Tissue Type: buccal mucosa

Tissue State: Frozen

Mass (mg): 10-15mg

Pre-Singulato Processing| Run Summary:

Take buccal mucosa out of -80C freezer, and place it in the middle bottom of a pre-cooled NIC+ nuclei isolation cartridge.

Singulator Nuclei Protocol Parameters

Reagents: S2 NSR & NIR

Custom Formulation:

Protocol Type:low vol 2x disrupt nuclei

Auto Mince: ◯ Yes ◉ No

Incubation Time: 0 minutes

Incubation Temperature: Cold

Mixing Type: Top

Mixing Speed: Fastest

Disruption Type: Default

Disruption Speed: Fastest

Post-Singulator Processing

Centrifuge Time & Speed: 7 mins 500g Additional Cleanups/Notes:

- When the program is done, transfer the nuclei solution through 20uM Pluriselect Ministrainer to a 5 mL eppi tube and centrifuge at 500g for 7 min at 4C.

- Resuspend the nuclei pellet in 500-750ul NIR and count the nuclei.