Singulator™ 100 Nuclei Protocol Submission

Please fill out form as thoroughly as possible. For additional questions and support, email community@s2genomics.com. For more information on the Singulator™ 100 and single-cell processing, head over to www.s2genomics.com.

General Information | Study Identification

Protocol Name: Mouse Salivary Gland Nuclei Isolation

Investigator Name: Jianlong Li

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Secondary Investigator(s):

Secondary Email(s):

Tissue Species: Mouse

Tissue Type: Salivary Gland

Tissue State: Frozen

Mass (mg): 10-25 mg

Pre-Singulator™ 100 Processing| Run Summary:

- Take gland out of -80C freezer, then cut half of it with RNAzap cleaned blade, on dry ice.
- Transfer one half of the gland into the pre-cooled standard nuclei cartridge (in middle of the bottom), add 700 units of RNAse inhibitor.

Singulator™ 100 Nuclei Protocol Parameters

Reagents: S2 NSR & NIR

Custom Formulation:

Protocol Type: Standard Nuclei

Auto Mince: ○ Yes ◉ No

Incubation Time: 0 minutes

Incubation Temperature: Cold

Mixing Type: Top

Mixing Speed: Fastest

Disruption Type: Default

Disruption Speed: Medium

Post-Singulator™ 100 Processing

Centrifuge Time & Speed: 8 min at 600g

Additional Cleanups/Notes:

- When the protocol is done, transfer the nuclei solution to a 5 mL glass FACS tube, and centrifuge at 600g for 8 min at 4C.
- Resuspend the nuclei pellet, and move forward with FACS to get single nuclei.