



Singulator™ 100 Cell 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 Skin Cells

Investigator Name: Danielle Meyer

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Tissue Species: Mouse

Tissue Type: Skin

Tissue State: Fresh

Mass (mg): 200-400

Pre-Singulator™ 100 Processing | Run Summary:

-Skin from the dorsal side of 6 week old, female mice was trimmed of fur with a razor blade, excised, and placed into 10mL of ice-cold HBSS

-Tissue was minced as finely as possible without turning it into a slurry

-Mouse Skin Cell Reagent (pending approval) was reconstituted with DMEM and allowed 15 minutes to dissolve

Singulator™ 100 Cell Protocol Parameters

Enzyme Mix: Cutsom



Custom Formulation:

Contact S2 Genomics, Inc for more information

Protocol Type: Mouse Lung Cells



Auto Mince: Yes No

Incubation Time: 45 minutes

Incubation Temperature: 37 °C

Mixing Type: Top

Mixing Speed: Fastest

Disruption Type: Default

Disruption Speed: Medium



Post-Singulator™ 100 Processing

Centrifuge Time & Speed: 300g for 5 minutes at 4C

Additional Cleanups/Notes:

Suspension was topped up to 10 mL prior to spinning to remove debris

After first spin, supernatant was discarded and the pellet was resuspended in 1mL of DMEM for downstream processing (NO RBC LYSIS STEP)

Depending on the amount of debris, a Percoll clean-up using our SOP is performed