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 Lymph Cells

Investigator Name: Danielle Meyer

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Tissue Species: Mouse

Tissue Type: Lymph

Tissue State: Fresh

Mass (mg): 70-150mg

Pre-Singulator™ 100 Processing| Run Summary:

-Lymph nodes from 6 week old, female mice were excised, pooled, and placed into 10mL of ice-cold HBSS
-Mouse Spleen Cell Reagent was reconstituted with HBSS and allowed 15 minutes to dissolve
-Lymph nodes were pooled and placed whole into the cartridge's disruption chamber
-Identical protocol to spleen (enzymes, protocol, post-Singulator processing, etc)

Singulator™ 100 Cell Protocol Parameters

Enzyme Mix: S2 Spleen

Custom Formulation:

Protocol Type: Mouse Spleen Cells

Auto Mince: (•) Yes ( ) No

Incubation Time: 20 minutes

Incubation Temperature: 37 °C

Mixing Type: Immersion

Mixing Speed: Medium

Disruption Type: Default

Disruption Speed: Medium

Post-Singulator™ 100 Processing

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

Additional Cleanups/Notes:

Protocol identical to spleen:
-After first spin, supernatant was discarded and the pellet was resuspended in 1mL of RBC lysis. Incubated for 3 min.
-After RBC lysis, reaction was quenched by topping off to 6mL with HBSS, and spinning again at 300 g for 5 min at 4C
-After the second spin, supernatant was discarded and the pellet was resuspended in 1mL of HBSS for downstream processing