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HuBMAP UF TMC - 10x Genomics scRNAseq Modality Overview

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OPEN ACCESS

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DOI:
dx.doi.org/10.17504/protocols.io.be79jhr6

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Protocol status: Working
We use this protocol and it's working

Created: Apr 16, 2020

Last Modified: Oct 02, 2020

PROTOCOL integer ID:
35809

SAFETY WARNINGS

Follow all safety guidelines provided with individual links within this protocol.

- 1 Specimen/Organ Prep:
Spleen: dx.doi.org/10.17504/protocols.io.bc3kiykw
Lymph Node: dx.doi.org/10.17504/protocols.io.bbgrijve
Thymus: dx.doi.org/10.17504/protocols.io.bbgmiju6

- 2 Single Cell Isolation/Storage: [dx.doi.org/10.17504/protocols.io.bd9vi966](https://doi.org/10.17504/protocols.io.bd9vi966)
- 3 Optional (recommended) step: FACS isolation of live single cells for scRNASeq:
[dx.doi.org/10.17504/protocols.io.bfqzjmx6](https://doi.org/10.17504/protocols.io.bfqzjmx6)
- 4 10x Library Construction and Sequencing: [dx.doi.org/10.17504/protocols.io.bffvjjn6](https://doi.org/10.17504/protocols.io.bffvjjn6)
- 5 Data Analysis and Quality Control Check ☐ 10x Cell Ranger.docx
- 6 Register completed 10x sample information in the HuBMAP UUID generator at
<https://uuid.hubmapconsortium.org>.
- 7 Prepare and upload data to the HuBMAP HIVE Globus using hipergator.
☐ HPG 10x (1).docx