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# 🌐 HuBMAP UF TMC - 10x Genomics scRNAseq Modality Overview

DOI

[dx.doi.org/10.17504/protocols.io.be79jhr6](https://dx.doi.org/10.17504/protocols.io.be79jhr6)

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**Protocol status:** Working

**We use this protocol and it's working**

**Created:** April 16, 2020

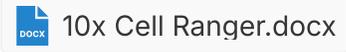
**Last Modified:** October 02, 2020

**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](https://dx.doi.org/10.17504/protocols.io.bc3kiykw)  
Lymph Node: [dx.doi.org/10.17504/protocols.io.bbgnijve](https://dx.doi.org/10.17504/protocols.io.bbgnijve)  
Thymus: [dx.doi.org/10.17504/protocols.io.bbgmiju6](https://dx.doi.org/10.17504/protocols.io.bbgmiju6)
- 2 Single Cell Isolation/Storage: [dx.doi.org/10.17504/protocols.io.bd9vi966](https://dx.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://dx.doi.org/10.17504/protocols.io.bfqzjmx6)
- 4 10x Library Construction and Sequencing: [dx.doi.org/10.17504/protocols.io.bffvjjn6](https://dx.doi.org/10.17504/protocols.io.bffvjjn6)
- 5 Data Analysis and Quality Control Check 
- 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.  
