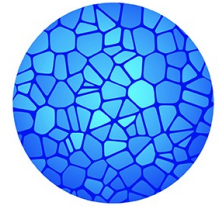


Aug 30, 2019

Tissue dissociation protocol for Pan Immune Project Tissue

DOI

<https://dx.doi.org/10.17504/protocols.io.ymzfu76>



Lira Mamanova¹

¹Wellcome Sanger Institute



Tracey Andrew

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.ymzfu76>

Protocol Citation: Lira Mamanova 2019. Tissue dissociation protocol for Pan Immune Project Tissue. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.ymzfu76>

License: This is an open access protocol distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: February 27, 2019

Last Modified: August 30, 2019

Protocol Integer ID: 20889

Keywords: pan immune project tissue, tissue

Attachments



Tissue dissociation ...

13KB



- 1 Chop tissues into small pieces, weigh
- 2 Add <5.0g per miltenyi C tube with 5mL 1x liberase/DNase in xvivo15 + 1%FCS
- 3 Run on GentleMACS Octo 30 mins/37oC cycle
- 4 Stop liberase with 2mM EDTA
- 5 Mash through smart strainer
- 6 PBS wash/spin cells to pellet at 500g/10 minutes. Resuspend pellet in PBS.
- 7 Layer onto ficoll and spin at RT 400g/25 minutes
- 8 Remove MNCs from ficoll later and wash with PBS
- 9 Filter through 0.2uM filter
- 10 Count viable cells and resuspend at concentration of 1000/uL in 10X buffer (chilled PBS + 0.05% FBS) for loading to 10X