

Flow Cytometric Analysis of Murine Decidual Immune Cells (E6.5-12.5)

Tissue Collection

Required Materials

- ☐ Tissue Digestion Buffer
 - HBSS supplemented with Ca^{2+} & Mg^{2+}
 - Divalent cations facilitate enzyme function
 - 10% v/v FBS
 - 1% of each of the following from prepared stock solutions:
 - Collagenase IV
 - DNase I
 - Dispase II
 - When working with uNK cells, enzymatic digestion of tissues has been reported to mask surface marker expression, leading to poor detection. In this case, omit Collagenase and Dispase from the digestion buffer.
- ☐ Dissection kit
 - #5 splinter forceps (Almedic 7727-A10-704)
 - Ensure blades are sharp
 - Surgical scissors
 - Tips/blades should fit into 1.5mL Eppendorf tube
- ☐ PBS/HBSS
 - Interchangeable but should be consistent
- ☐ 1.5mL Eppendorf tubes
- ☐ 15 mL + 50 mL conical tubes
- ☐ 40 μm cell strainer
- ☐ Incubator/agitator
- ☐ Hemacytometer
- ☐ Refrigerated centrifuge