**Iridium Stain**

* Prepare 1 ml of cell intercalation solution for each sample by adding Cell-ID Intercalator-Ir (Fluidigm) into Maxpar Fix and Perm Buffer (Fluidigm) to a final optimal concentration as determined by prior titration (~1:2000 dilution of 125 M stock) and mix by vortexing.
* Centrifuge (800xg), remove supernatant and add 1 ml of the cell intercalation solution to each tube and gently vortex.
* Incubate for 1 hour at room temperature or leave overnight at 4°C. [Note: Cells can be left at 4°C in the cell intercalation solution for 2-3 days].
* Follow with mass cytometry sample processing protocol.