

Single Cell Core Sample Submission Recommendations

- Single cell samples should be brought to us as a cell suspension in PBS containing 0.04% BSA
- The cells should be as concentrated as possible (ideally 1 million live cells per mL) maximum loading volume is under 50 microliters per sample.
- Cell loading recommendations are 500-10,000 cells per well. Super loading is when loading between 10,000-50,000 cells. This increases the doublet rate and the risk of clogging the chip.
- If your sample dissociation protocol contains Tween-20 or EDTA, you will need to ensure that this is washed out of your sample prior to submission as this can prevent emulsification.
- We strongly recommend filtering your cells through at least a 70 micron filter, and a 30 or 40 micron filter as well if possible, to prevent clogging of the chip. The channel size of the chip is ~54 microns.
- Pricing information can be found at our website <https://singlecell.pitt.edu/pricing/>
- Our core is located in S765 in the South BST. Our lab phone number is 412-383-5223