**Information needed to submit cells for 10x single cell RNA library construction and sequencing to University of Illinois Keck Center:**

1. PI Name:
2. Customer Name:
3. Date:
4. FOAPAL (on-campus customers only):
5. Please fill out the table below. Each row is one library.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Library name** | **Label on Tube** | **Planned****Cell conc. (cells/ml)** | **Volume (ul)** | **Total Cells** | **# of Cells to target for this library** |
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1. Media used for cell suspension:
2. Centrifuge settings typically used for pelleting your cell type:
	1. Speed:
	2. Time:
3. Do these cells clump readily?
4. Sequencing needed:

\*Run length (circle/highlight): 2x100nt 2x150nt

 \*Which NovaSeq flowcell is requested (circle/highlight): SP S1 S4

 \*Number of lanes needed? \_\_\_\_\_\_\_\_

\* Per lane NovaSeq SP 2x150nt: $2,380. ~400M 10X RNA reads per lane

\* Per lane NovaSeq S1 2x100nt: $4,280. ~800M 10X RNA reads per lane

\* Per lane NovaSeq S1 2x150nt: $4,600. ~800M 10X RNA reads per lane

\* Per lane NovaSeq S4 2x150nt: $6,300. ~2.5B 10X RNA reads per lane

10) Any further comments, special instructions, etc.:

11) Are these cells Biohazard Level 1 or Biohazard Level 2(circle/highlight)? BL1 BL2

**IF BL2, please contact the lab to schedule a test count in our BL2 facility. BL2 work cannot be done on the public cell counter in 334 ERML, it is a BL1 lab.**

12) Any further comments, special instructions, etc.