**SORTING EXPERIMENT PROTOCOL**

*This form must be completely filled out and received by the Flow Cytometry Facility at least 24 hours before the experiment date.*

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Email:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date of Experiment: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Phone Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Laboratory/Principal Investigator: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FOAPAL # (19 digits)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Describe Your Experiment:**

|  |  |
| --- | --- |
| Cell type |  |
| Source (human, mouse, etc.) |  |
| Treatment of cells (e.g., transfected, cultured, pre-enriched etc**.) If transfected, please indicate vector** |  |
| Short description of the project. |  |
| Is this project approved for cell sorting by DRS (Division of Research Safety) |  |
| Approximate cell size |  |
| Temperature control |  |
| Staining Panel: e.g., antibody/fluorochrome, dyes, fluorescent proteins |  |
| Cell numbers (e.g. total number of cells to be sorted, number of samples) |  |
| Number of Sort Fraction(s) or type of well-plate(s) |  |

**Note that all tubes, media and control samples need to be sterile for a sterile sort!**

* Cell concentration should be 5 to 20 x 106 cells per mL, however, if total cell number is low resuspend cells in at least 0.4 mL in Falcon 12x75 mm tubes.
* Bring pre-coated 5 mL tubes (best are glass tubes, next choice polypropylene one – in one tube we can collect 300K cells)
* Bring extra medium in a 50 mL conical tube.
* Bring control cells, unstained cells, or cells stained with isotype control antibodies depending on the experiment performed.
* Bring single color tubes for compensation set-up for multi-color experiments.
* Bring well plate pre-filled with your medium for well-plate sort.