

## UNIVERSITY OF WINDSOR – FLOW FACILITY

### CELL SORTER EXPERIMENTAL INFORMATION

Date:

Name:

Email:

Lab:

Phone:

Account #

### BIOHAZARD INFORMATION

( ) BLC1            ( ) BLC2 (Biohazard acknowledgement form attached)

All samples must be passed through a 70 uM filter right before delivering them to the Flow Facility

Have you filtered your samples?    ( ) yes        ( ) no

**Material to be sorted:** up to  $5 \times 10^7$  cells/ml into a 15 ml conical blue cap tube

### Experimental purpose (briefly):

Sorter goals:

*Sorter stem cell population*

### Fluorochromes:

FL1: FITC

FL2: PE

FL3: APC

FL4:

FL5:

FL6:

FL7:

FL8:

FL9:

### Samples provided for compensation and analyze

-Unstained means only cells **NO** fluorochrome added (negative control)

-Stained means cells labelled with the fluorochrome (positive control)

### TUBES:

1. Unstained
2. Stained FL1
3. Stained FL 2
4. Stained.....
5. Sample 1
6. Sample 2 .....

### Sample 1, 2, 3....

Number of cells:

Concentration (/ ml):

Population to be sorted:

*FITC high + PE low in tube 1*

*APC low + DAPI low in tube 2....*

Collecting tubes: 1.5ml    FACS tube    15ml conical    other

Collecting plates: 96 wells    24 wells    12 wells    6 wells    other

Buffer used for sorting:

Collection Buffer (if collecting in plates):

Cell size

Number of cells to be collected per tube or per well:

Purity:

### **All the tubes and plates should be clearly labelled**

Collection Buffer (if collecting in plates): The buffer volume shouldn't be more than 1/3 of the well capacity, e.g. for 6 wells plate, maximum capacity is 1.5 mL, so the collection buffer should be 0.5 mL or less, enough to cover the plate surface.

Information to be exported to a new CD-R (or by email) at the end of the sorter

none

sample plots, as a pdf or ppt file

sorted population plots: only for samples collected into tubes, be aware you will lose sample doing this process

sorter report

raw data file, open on BD software

**After analyze is done:**

Contact phone number

Ext:

Cell:

You should be back to the flow facility to pick up your results, sorted samples and all the waste generated during analyze. You must come by as soon as possible, no more than ½ hour after the phone call.

**Special considerations:**