**FLOW CYTOMETRIC CELL SORTING**

**1st August 2024- 31st July 2025**

|  |  |
| --- | --- |
| **PRINCIPLE INVESTGATOR** |   |
| Name |   |
| email |   |
| College/School/Institute |   |
| **STAFF MEMBER using Sorters** |  |
| Name |  |
| email |  |
| Have you been trained to sort independently (Yes/No)If NO you may use the assisted sorting service  |   |
| **PROJECT TITLE:**  |  |

Cell sorting generates aerosols so is potentially more dangerous than Flow analysis. Please answer the following questions accurately

**SECTION 1: SAMPLE SPECIES**

 **Indicate from where your sample originate?**

|  |  |
| --- | --- |
| Human  |   |
| Murine  |   |
| Ovine  |   |
| Bovine  |   |
| Equine  |   |
| Avian  |   |
| Insect  |   |
| Parasite   |   |
| Bacterial  |   |
| **Other   - Give Details**  |   |

**SECTION 2: CELL LINES**

**If your cells are a recognised cell line, please complete this section then go to section 3:**

|  |  |
| --- | --- |
| Cell Name   |   |
| ATCC Catalogue No  |   |
| Suspension Cells  |   |
| Adherent Cells  |   |
| Have they been infected with pathogens?  |                If YES go to section 4   |
| No | YES |   |
| Have they been transformed using any known viral pathogens?  |
| No | YES | If YES go to SECTION 6 |

**SECTION 3: PRIMARY HUMAN CELLS**

**Tick to indicate the location from which the cells are taken**

|  |  |
| --- | --- |
| Whole Blood | Yes  |
| Serum |  |
| Plasma |  |
| PBMC |  |
| Buffy Coat |  |
| Stromal Lung Tissue |  |
| BAL fluid |  |
| Colon |  |
| Tendon |  |
| **Other: Give details** |   |
| Were the samples tested for any of the following |
|  |  **YES** |  **NO** |
| HIV |  |  |
| Hepatitis |  |  |
| Epstein Barr Virus |  |  |
| Herpes Virus |  |  |

**SECTION 4: PATHOGENS know to be in experimental samples**

|  |  |  |  |
| --- | --- | --- | --- |
| **Pathogen Type**  | Organism Name & Strain  | Hazard Group   |  Neutralisation Method e.g. Fixative/ Antibiotics /UV treatment |
| Bacterial     |   |   |     |
| Parasitic     |   |   |     |
| Fungal     |   |   |     |
| Viral     |   |   |     |

**Note. It is the P.I.’s responsibility to ensure that the neutralisation method used is suitable to render the samples non-infectious**.

Details of Biological COSHH form \_\_\_\_

Submit copies of any relevant COSHH forms along with this form

**SECTION 5: SAPO Organisms**

**It is the user's responsibility to ensure that Sapo organisms, and any waste must be transported to and from the Cell sorters (whether within the SGDB or across campus) in accordance with the relevant SAPO risk assessment.**

Any SAPO organisms which have been subject to fixation may be sorted on the FACSArias in B444.

Non fixed SAPO organisms may be cell sorted in B444 provided they are class 1 or 2 hazard group, and not infectious by inhalation. They could also be sorted on the MA900 cell sorter in B536.

Unfixed SAPO organisms which are hazard group 1 or 2 and transmissible by inhalation may only be sorted in the SONY MA900 in B536.

Unfixed SAPO organisms which are derogated Cat 3 **MUST** be sorted in B536 only on the MA900 (e.g. P falciparum, P knowlesi, T brucei rhodesiense, T cruzi, L donovani).

**SECTION 6: ANALYSIS OF GENETICALLY MODIFIED CELLS**

Have your cells or been genetically modified?

If the answer is **NO** go to **Section 7.**

If the answer is **YES** then fill in the table below:

|  |  |
| --- | --- |
| **GMO form number** |  |
| Did you use a viral vector  |   |   |
|    |
| Did you use a helper virus   |   |   |
|    |
| What is the insert  |   |   |
|     |
| Is it oncogenic  |   |   |
|    |
| Is it replication incompetent (Y/N) |   |   |
| Can it infect human cells (Y/N) |   |   |
| How many times have the cells been passaged  |    |
| Does your GMO form grant permission to: |
| * Transport cells across campus/ through the SGDB?
 |  |
| * Work with GMO in the MVLS Flow Core Labs B219 and/or B444
 |  |

**SECTION 7: BILLING INFORMATION** - Glasgow university Researchers only

**For current charging rates, and for quotes for grant applications please contact mvls-SRF@glasgow.ac.uk**

|  |  |
| --- | --- |
| **Principle Investigator** |  |
| **College & Institute** |  |
| **Cost Centre** |  |
| **Project code** |  |
| **Grant start date** |  |
| **Grant end date** |  |
|  |  |

Signature of P.I. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_

Signature of staff using Analysers: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date: \_\_\_\_\_\_\_\_\_

**Safe use of the MVLS-SRF Flow Core Lab relies upon co-operation between the Core staff and investigators.**

***IF cell types and/or bio-hazard information change, prior to the next annual survey you have a duty to inform us***