**A sorting form has to be filled up prior to any sort and the operators must receive it at least the day before the appointment (see contact for sort).**

**You need to be registered to have access to the MRI facilities (login/password).**

**SORTING CONVENTION** **(You must read and agree)**

You have to accept the following rules to have access to the cytometry platform.

|  |
| --- |
| **PRESTATIONS**The sorters are certified by the mean of calibration beads. This calibration ensures the good performance of the equipment. MRI checks regurlarly the cell sorters to prevent any dysfunction or alignment issue of the machines. The surveillance and maintenance actions defined for the sorters are available at the following link : <http://www.mri.cnrs.fr/datas/fichiers/528.pdf>**RECOMMANDATIONS**It is strongly suggested to use a viability marker to clearly discriminate the dead cells. It is important to note that a sort cannot be performed if the amount of dead cell is to high.The samples must be prepared as a single cell suspension. To eliminate aggregates, you may need to filter your samples on a 35-40µm nylon cell strainer. Negative controls are important to distinguish a positive from a negative staining. For multi color cell sorting experiments, you need to bring unstained and single color stained samples for each fluorochrome used.**BOOKING**You can book the cell sorter on the online calendar: [www.mri.cnrs.fr](http://www.mri.cnrs.fr)Booking conditions are available on the page of reservation of each sorter.**SORT QUALITY**The sort quality can be evaluated by re-analysing an aliquot of the sorted cells if allowed by the amount of cells collected. After the sort, you have to check the viability of the sorted cells (as a live cell entering the sorter may not be still alive at the exit). The cytometry facility can’t be held responsible for the mortality of your cells post sorting. |

**ADMINISTRATIVE INFORMATIONS**

|  |  |
| --- | --- |
| **Schedulded date for sort** |  |
| **User Name** |  | **Phone** |  |
| **User e-mail** |  |
| **Team leader name** |  | **Institute** |  |

**SORTING FACILITIES CONTACTS**

|  |  |
| --- | --- |
| **MRI IGMM cyto**Myriam Boyer / Stéphanie Viala– IGMM – room 0013 or 004cyto@igmm.cnrs.fr Phone : 04 34 35 96 37/90 | **MRI IRB cyto**Christophe Duperray – IRMB-cyto.irb@inserm.frTel : 04 67 33 78 29Fax : 04 67 33 01 13  |

**BIOLOGICAL INFORMATIONS**

**OBJECTIVE**

Cloning [ ]  culture growth [ ]  DNA extraction [ ]  RNA extraction [ ]  Microscopy [ ]

Proteins extraction [ ]  Injection in mice [ ]  Other [ ] ………………………………………

**CELLS**

Primary cells [ ]

Immortalized cell line [ ]

Adherent cells [ ]

In suspension cells   [ ]

Transfected cells [ ]

Infected cells  [ ]

Type of vector/ Transgène: Retrovirus [ ]  Lentivirus[ ]  Adenovirus [ ]

 Expressing plasmid [ ]  Other [ ] ………………

**STAINING**

Describe all the labelled antibodies-Fluorochromes used for the staining

………………………………………………………………………………………………………………………

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**SORTING**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Name of sample | Numbers of populations to sort | Initial cell number | % of positive cells (for the less represented population) | Minimum cell to collect |
| Tube 1 |  |  |   |  |   |
| Tube 2 |   |  |  |  |   |
| Tube 3 |   |   |   |  |   |
| Tube 4 |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Collecting tubes: 1.5ml Eppendorfs [ ]  5ml Facs Tubes [ ]  15ml Falcon [ ]

Well plate sorting / Cloning : 6 wells [ ]  12 wells [ ]  24 wells [ ]  96 wells [ ]

You need to bring

* Collecting tubes or well-plates with media (PBS-50%FCS)
* 40µm cell strainer (ex : MACS pre-separation filters ,Miltenyi / Filcon filters, BD)
* A USB key to back up your data

**COMMENTS**