



# Indian Institute of Technology Bombay

Chemical Engineering department

Central Facility – FACS facility

Requisition form for using FACS facility (facs@iitb.ac.in)

Date: .....

1) Name of the User\*: .....

2) Name of the Organization\*: .....

3) Name of the HOD/ Principal Investigator\*: .....

3) User's Email ID and Tel No\*: .....

## Sample Information

Experiment name *	<input type="text"/>
Experiment Type *	<input checked="" type="radio"/> Acquisition <input type="radio"/> Sorting with acquisition
Number of controls *	<input type="text"/>
Number of test samples *	<input type="text"/>
Size of the cells/particles *	<input type="text"/>
Number of parameters to be analyzed *	<input type="text"/>
Name of Fluorophores	<input type="text"/>
Preferred date for the slot	<input type="text"/> <input type="button" value="..."/>

### Acquisition

**Laser & Filter selection :**

<b>Blue (488nm Excitation)</b> <input checked="" type="checkbox"/> FSC <input checked="" type="checkbox"/> SSC	<input type="checkbox"/> FITC (505-545nm)	<input type="checkbox"/> PE (563-587nm)	<input type="checkbox"/> PE-Texas Red (600-620nm)	<input type="checkbox"/> PerCP-Cy5.5 (675-715nm)	<input type="checkbox"/> PE-Cy7 (750-810nm)
<b>UV (354nm Excitation)</b>	<input type="checkbox"/> DAPI (425-475nm)		<input type="checkbox"/> Indo Blue (500-550nm)		
<b>Yellow Green (561nm Excitation)</b>	<input type="checkbox"/> Ds Red (575-595nm)		<input type="checkbox"/> mcherry (600-620nm)		
<b>Red (633nm Excitation)</b>	<input type="checkbox"/> APC (650-670nm)		<input type="checkbox"/> APC-Cy7 (750-810nm)		
If not sure about selection of filters & laser then list down the Excitation & Emission spectra of the dye/fluorophore in the additional information box provided.					

Additional information : (Constraints/Preferences/ etc.)

I understand that the samples will be analyzed according to the choices recorded in the form.

Please fill below form only in case 'Sorting with acquisition' is opted.

### Sorting with acquisition

<b>Number of samples to be sorted *</b>			
<b>Population to be sorted *</b>			
<b>Device to be used for sorting *</b>	<input type="checkbox"/> FACS tube (5ml)	<input type="checkbox"/> 15ml Falcon tube	<input type="checkbox"/> 96-well plate
	<input type="checkbox"/> 24-well plate	<input type="checkbox"/> 6-well plate	<input type="checkbox"/> Agar plate
<b>Type of sorting</b>	<input type="radio"/> Sterile (Sterile sorting is in trial mode)		<input type="radio"/> Unsterile

Additional information : (Constraints/Preferences/ etc.)

**Fields marked with \* are mandatory fields.**

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- ✓ KINDLY ENSURE THAT THE GIVEN SAMPLE IS NOT INFECTIOUS OR POISONOUS OR TOXIC IN ANY WAY
  - ✓ Whenever the results are used in the publications, appropriate acknowledgment of usage of IIT Bombay's FACS central facility must be mentioned. The details can be forwarded to [facs@iitb.ac.in](mailto:facs@iitb.ac.in)
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**Important information:**

- 1) 'Acquisition' refers to analyzing samples on Flow Cytometer and 'Sorting' refers to analyzing and separately collecting desired population.
- 2) Gating of population is experiment design specific and should be suggested by the user.
- 3) Gating and data analysis can also be done offline by the user.
- 4) Instrument is equipped to normally handle cells/particles in the size range 0.2 to 25 microns. While instrument cannot "strictly" handle cells/particles above 25 microns, it may be possible to analyze samples of size less than 0.2 microns. Such samples, that is, those containing particles less than 0.2 microns will be handled on a case-by-case basis and user requesting analysis of such samples must discuss with the operator at [facs@iitb.ac.in](mailto:facs@iitb.ac.in) prior to submitting a request.
- 5) Duly filled form shall be sent to [facs@iitb.ac.in](mailto:facs@iitb.ac.in).
- 6) IITB shall not be responsible for the loss of sample due to breakdown or any other technical difficulties.
- 7) In case of breakdown or technical difficulties, if the samples are not analyzed on the intended date, the slot shall be rescheduled and the user will be informed via email about the date and time of the slot.
- 8) Attachments like reference papers; technical data sheet etc. can be sent in mail to provide any additional information about the experiment.

**I have read above mentioned Important information**

***For IITB use only***

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Date of sample receipt: .....Date of analysis: .....

Name of the Operator: .....Signature of Operator: .....

Registration number: .....Remarks: .....