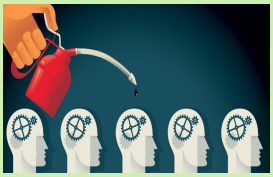
EMBL European Molecular Biology Laboratory

Training Session - Flow Cytometers



The session takes around 3 hours and include

Brief description about flow cytometry principles	40 min
Cytometer Operation	2h min.
Data Analysis in Diva/Spectroflow Software	20 min

You will learn:
General concepts and principles behind flow cytometry: Fluidics, Optics and Electronics
How to operate the cytometer: Sample acquisition and experiment set-up (threshold, gates for acquisition, doublet and dead cells exclusion) and
Data analysis: Gate definition and basic stats.

We need samples for the training!!

Bring your own samples with the regular staining you perform or expressing the fluorescence protein of your interest, like this we could adjust and record settings for your future experiments.

Samples to prepare:
1. Negative control: Unstained cells/ Untransfected cells (no fluorescence signal)
2. Positive control for every fluorescence signal: Stained cells/Transfected cells
If more than one fluorochrome or fluorescence protein will be evaluated, prepare cells expressing only one fluorescence signal at once.
3. Samples to analyse: Please bring few samples **(no more than 5)**, like this we could dedicated more time playing with the acquisition software.
* If your staining includes primary + secondary antibody, prepare a sample stained exclusively with your secondary antibody, in order to evaluated unspecific binding of the antibody.

If you need additional information regarding sample preparation or staining protocol, feel free to contact the facility.

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