

Brown Flow Cytometry Facility

Flow Cytometry Guidelines

Flow Cytometry:

- Facility hours are from 12:30 P.M. to 5:00 P.M. Monday, Wednesday, Friday. 9:00 A.M. to 5:00 P.M. Tuesday, Thursday. Under special circumstances, extended hours (early or late time) can be arranged at the time of initial scheduling.
- Users can be trained on the Aurora Flow Cytometer for self-use, after hours.
- Any cancellations with less than a 24 hour notice before scheduled start time will be charged 1 hour. No-shows will be charged for time reserved.
- All users must provide an account for billing at time of scheduling. Users will be billed monthly.
- Scheduling is on a first-come, first-served basis with preference for Sorting users because of advanced setup requirements.

SAMPLE PREPARATION GUIDELINES:

- Do not fill sample tubes over 2/3 full.
- Suspend cells in PBS or Media at 1×10^6 per ml - 1×10^7 per ml.
- **Control Samples:** For all analysis operations a negative or unstained control and a separate single stain control sample for each stain to be used is required for instrument pre-sort calibration. (*ie: if you are using FITC, PE, PECy7, APC, a control sample of each is required for calibration and compensation of instrument. In this case, 5 control samples total including unstained cell sample*)
- GFP / Single color analysis requires only a negative or not-transfected (not-transduced) control sample.
- Control samples should be prepared the same as the sort sample from the same type of cells as experiment samples.
- Each control sample should contain a minimum of $\sim 200,000$ cells.

For any further questions, please contact us:

Flow_Cytometry_Facility@brown.edu