



BD FACSAria Fusion: Cell Sorting Policies

Cell Sorter Location:

Center for Vaccines and Immunology (CVI)

Room 1559

Located inside the College of Veterinary Medicine along Carlton Street

BD FACSAria Fusion Operator:

Celia Saney

clorenza@uga.edu

CVI Flow Core Faculty Contact:

Dr. Chet Joyner

cjjoyne@uga.edu

Office #: 706-542-4923

BD FACSAria Fusion Configuration:

This instrument is operator-assisted, not a user-directed one. We do not train individuals on independent use of this instrument.

<https://app.fluorofinder.com/uga/machines/2ced62f0b0650135169035c557c184dd>

Scheduling:

There is an Outlook calendar for the FACSAria Fusion schedule. Upon the first sort request, you will be given access to view this calendar.

When booking sort time, please check the calendar for availabilities and email the BD FACSAria Fusion Operator listed above with your requested date and time. You will receive a calendar invite confirming the sort time and date or the operator will write you to identify alternative options should they not be available.





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Billing:

Billing will be charged in 30 minutes increments.

FY27 CVI Sorting Charges			
	UGA CVI Investigators:	UGA (non-CVI) Investigators:	Non-UGA Investigators:
Hourly Rate	\$100	\$100	\$150

Sort Set-Up:

While there is no longer a sort set-up fee, there remains two different types of set-up that can occur. Descriptions are as follows. Please include in your request which set-up is necessary for your sort, as the aseptic set-up does include additional set up time.

Standard Sort Description:

This is recommended for sorts that do not require additional steps (e.g. fluidics flushing, etc.) to ensure maximum sterility. Some examples where this would apply include cells being isolated for short-term cell culture where antibiotic-antimycotic cocktails can be used or directly into cell lysis reagents for RNA-seq or other purposes.

Aseptic Sort Description:

Aseptic sort preparation is recommended if sorting bacteria or if using the sorted cells for downstream applications where common practices like culturing with antibiotics or antimycotics cannot occur. Aseptic sort preparation requires additional autoclaving of equipment, sterile sheath fluid, and aseptic cleaning of fluidics. These setups consume more personnel time as well as reagents.

Cancellations:

We reserve the right to charge a cancellation fee of up to 50% of the booked time + setup fee for no shows and cancellations made <24 hours in advance.

However, we acknowledge that extenuating circumstances can occur, particularly for samples that are being sorted from patient or animal collections.

If you need to cancel less the 24 h prior to your sort time, please email the BD FACS Aria Fusion Operator at the email listed above as a courtesy.

If you would like to be considered to have the cancellation fee waived, please write a justification explaining the situation that necessitated the last minute cancellation and e-mail it to both the BD FACS Aria Fusion Operator and the CVI Flow Core Faculty Contact for assessment and approval.





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Repeated cancellations even if extenuating will still incur the cancellation fee, particularly for sorts that require additional preparation (i.e. aseptic sort setup) the day before.

Cell Sorting Panel Sharing:

It is in the best interest of our clients to share information pertinent to the success of their sort with us PRIOR to scheduling. This will allow the BD FACS Aria Fusion Operator to identify incompatibilities with the panel or gating strategy being used on this particular instrument and will allow for changes or suggestions of other instruments that may perform better for your experiment. It will also provide time for the instrument to be setup properly so that it is ready to start when you arrive for your sort.

Please fill out the Cell Sorting Request document when requesting sort time.

Sample and Sort Requirements:

1. Experimental samples
 - Cells should be resuspended in clear media with no more than 2% FBS
 - All samples must be filtered through a 35 µm, blue-cap filter tube to remove clumps unless your cell type does not allow for this.
2. Compensation controls
 - Required for any 2+ color sort at each individual sort; compensation setting from prior runs will not be allowed
 - The BD FACS Aria Fusion Operator can be consulted free of charge if you have questions regarding compensation controls for your experiment
3. Collection tubes or plates
 - Can have any media you prefer for downstream experiments
 - Available options for collection containers are 96-well plates, 384-well plates, FACS tubes, 1.5ml tubes, 15ml conical tube, and microscope slides. Please provide your own collection containers, as these are not available at the flow core.

Sample and Sort Recommendations:

1. Unstained sample
 - Recommended for the first sort, to ensure settings are appropriate without wasting stained samples
2. Additional resuspension media for stained samples
 - If your sample is too concentrated, this will be used to dilute to a concentration optimal for sorting
 - The core will provide sterile PBS if your sample is too concentrated, but it is up to the user to provide the media that is required. If you have to prepare media, you will be charged for the use of the machine during this time.





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3. Extra collection tubes or plates
 - In the case that more cells than expected are to be sorted or if an error occurs in an earlier tube or plate.
 - The core does not have spare collection devices on hand to provide.
4. Purity Checks
 - A purity check of the sorted cells can be done upon request. While it is appreciated that this is not feasible for every type of sort, we highly recommend it when applicable to ensure quality of your sample and enabling troubleshooting should something not go as planned.

