

Resource Summary Report

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Virginia Tech Flow Cytometry Core Facility

RRID:SCR_027816

Type: Tool

Proper Citation

Virginia Tech Flow Cytometry Core Facility (RRID:SCR_027816)

Resource Information

URL: <https://fralinlifesci.vt.edu/core-services/flow-cytometry.html>

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Description: Facility offers traditional data acquisition, analysis, and cell sorting as well as imaging cytometry. Provided equipment includes: BD FACSAria Fusion: A cell sorter that can also be used as an analyzer, it is equipped with 488nm, 640nm, and 405nm excitation sources and is equipped to analyze up to fifteen parameters simultaneously. The Fusion is capable of processing up to 70,000 events per second and sorting up to four different cell populations at once. It is also equipped with an Automatic Cell Deposition Unit (ACDU) that allows sorting of cells into plates or onto slides; Amnis ImageStream MarkII: this imaging cytometer combines the speed and objectivity of flow cytometry with the detailed imagery of microscopy to allow you to objectively and quantitatively describe biological processes based on cell size, shape, and fluorescence location, texture, and signal intensity. This open platform enables new methods of research and improves traditional flow and imaging based applications. It is equipped with 405nm, 488nm, and 642nm excitation sources and is able to analyze up to twelve parameters simultaneously. It has 20X, 40X, and 60X objective lenses and Enhanced Depth of Field technology. It can process several thousand cells per second.

Synonyms: , Virginia Tech Flow Cytometry Facility, Flow Cytometry Facility, Virginia Tech's Fralin Life Sciences Institute Flow Cytometry Facility

Resource Type: access service resource, core facility, service resource

Keywords: ABRF, data acquisition, data analysis, cell sorting, imaging, cytometry

Resource Name: Virginia Tech Flow Cytometry Core Facility

Resource ID: SCR_027816

Alternate IDs: ABRF_5693

Alternate URLs: <https://https://coremarketplace.org/?FacilityID=5693&citation=1>

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Ratings and Alerts

No rating or validation information has been found for Virginia Tech Flow Cytometry Core Facility.

No alerts have been found for Virginia Tech Flow Cytometry Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.