

Resource Summary Report

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Miami University SCCC Flow Cytometry Core Facility

RRID:SCR_017817

Type: Tool

Proper Citation

Miami University SCCC Flow Cytometry Core Facility (RRID:SCR_017817)

Resource Information

URL: <https://umiamihealth.org/sylvester-comprehensive-cancer-center/research/research-resources/shared-resources/flow-cytometry-shared-resource>

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Description: Core provides analytical and preparative flow cytometers, to facilitate range of experiments in biology of both normal and cancer cells. Experimental analyses, including: Complex, 19 fluorescence parameter immuno-phenotyping; DNA content, ploidy and cell cycle analysis; 17 fluorescence parameter cell sorting and single-cell flow cloning; High speed (10,000 ? 30,000+ cells per second) and efficiency (95%+ purity) cell sorting; Assessment of apoptosis; Molecular cytogenetics; Cell function studies; Micro-biological applications; Multiplexed and micro-particle-based analysis; Mass cytometry analysis and imaging; Fluidigm Helios plasma mass cytometer. Cells are labeled with antibodies conjugated to heavy metal markers, vaporized in plasma and detected with time-of-flight mass spectrometry; Fluidigm Hyperion solid tissue imager provides simultaneous imaging of labeled solid tissue sections, for mass cytometry analysis. FCSR has bank of metal reagent kits (for custom antibody conjugation), available for purchase at favorable rates compared to those available commercially. The bank has 35 unique labeling metals, for users to create custom reagents and panels. Please contact FCSR for further information and pricing. Robotic automated cell transfer A.L.S. CellCelector automated cell transfer robot. For automated transfer of single cells and colonies from culture plates, without pre-treatment. Integral bio-safety cabinet for BSL-2 cultures.

Abbreviations: FCSR

Synonyms: Flow Cytometry Shared Resource

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

Keywords: Flow, cytometry, analysis, normal, cancer, cell, service, core, ABRF

Availability: Open

Resource Name: Miami University SCCC Flow Cytometry Core Facility

Resource ID: SCR_017817

Alternate IDs: ABRF_572

Record Creation Time: 20220129T080337+0000

Record Last Update: 20260731T043025+0000

Ratings and Alerts

No rating or validation information has been found for Miami University SCCC Flow Cytometry Core Facility.

No alerts have been found for Miami University SCCC 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.