

# Resource Summary Report

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## South Carolina Medical University Bioenergetics Profiling Core Facility

RRID:SCR\_017953

Type: Tool

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### Proper Citation

South Carolina Medical University Bioenergetics Profiling Core Facility  
(RRID:SCR\_017953)

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### Resource Information

**URL:** <https://education.musc.edu/colleges/medicine/departments/pharmacology/redox-center/cores/bioenergetics-profiling-core>

**Proper Citation:** South Carolina Medical University Bioenergetics Profiling Core Facility  
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**Description:** Core provides several technologies that enable researchers to quantify fluxes of these metabolic reactions in cells, tissues, organoids and small animal models such as zebrafish embryos and nematodes. Technologies include high resolution respirometry using XF technology from Seahorse Biosciences/Agilent. Instrumentation utilizes 96-well microplates to provide sufficient sample numbers to provide flux profiles of glycolysis, mitochondrial respiration, fatty acid oxidation, glutamine utilization and other related metabolic processes. Rapid, high-throughput imaging optimized to XF plate architecture provides normalization of cell/tissue numbers, health, and other. Provides training, data analyses support and aid in experimental design.

**Synonyms:** Bioenergetics Profiling Core

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

**Keywords:** Bioenergetic, profiling, quantify, metabolic, reaction, cell, tissue, organoid, animal, model, zebrafish, embryo, nematode, respirometry, flux, profile, mitochondrial, respiration, glycolysis, fatty, acid, oxidation, glutamine, training, data, analysis, service, core, ABRF

**Resource Name:** South Carolina Medical University Bioenergetics Profiling Core Facility

**Resource ID:** SCR\_017953

**Alternate IDs:** ABRF\_986

**Record Creation Time:** 20220129T080337+0000

**Record Last Update:** 20260731T043028+0000

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## Ratings and Alerts

No rating or validation information has been found for South Carolina Medical University Bioenergetics Profiling Core Facility.

No alerts have been found for South Carolina Medical University Bioenergetics Profiling Core Facility.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.