

Equipment & Capabilities

The Archimedes Center offers flexible leasing options for walk-up-ready commercial laboratory space, enabling startups to achieve proof-of-concept and development goals on an accelerated timeline, without major upfront investments in equipment or renovations.

Available Lab Space



4800 Sq Ft

mixed-use lab and office space



3800 Sq Ft

expansion planned (based on demand)

- Typical lease: 200–500 sq ft bench space, customizable by equipment and service needs
- Located at 1200 Jefferson Road, Rochester, NY 14623
- 5 miles from the University of Rochester Medical Center

Nonprofit Organization



The facility is operated by Dr. Harold Smith, Founder & CEO of OyaGen, Inc. and CannaMetrix, LLC, and governed by a Board of Directors as a nonprofit organization.

Equipment Included with Flexible Lease



Tissue Culture Suites (2 Total) Suite 1 (BLS2+)

- LabConco & NuAire 5' laminar flow hoods
- BioTek MultiFloFX liquid handler + BioStack plate stacker
- (4) ThermoScientific CO₂ incubators
- Olympus inverted fluorescence microscope + image analysis
- BD Accuri™ C6 Plus flow cytometer



High-Throughput Screening System

- PerkinElmer Janus liquid-handling robots (96/384 formats)
- Plate stackers with barcode readers
- Agilent BioTek Cytation 1 imaging multimode reader
- BioTek Synergy4 plate reader + nanodrop spectrophotometer
- Argon glove box with plate sealer
- 55°C oven & sonication station

For more information or to inquire about space:

Contact us!



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🌐 archimedes-center.org



Suite 2 (DEA Scheduled, BLS2+)

- 6' LabConco laminar flow hood
- (2) Forma CO₂ incubators
- Inverted phase contrast microscope
- PerkinElmer Janus liquid-handling robot
- Plate stackers with barcode readers
- (2) Molecular Devices FlexStation 3 systems
- 950 lb safe for scheduled substances
- Library of 38 synthetic cannabinoid standards



Microbiology Suite

- New Brunswick floor model shaking incubator
- Bench-top New Brunswick incubator
- Eberbach shaker (capacity: 120 microtiter plates)
- VWR bacterial plate incubator



General Laboratory Equipment

- Freezer farm:
 - (3) -80°C freezers
 - Multiple -20°C freezers & refrigerators
 - Sorvall RC5B & Beckman L8-60M ultracentrifuges
- UVP ChemStudio imaging system (gels & western blots)
- Nanopure water system
- Protein & DNA electrophoresis + western blot stations
- PCR systems (Applied Biosystems StepOnePlus + standard units)
- Mixing/rocking platforms & benchtop centrifuges
- Pipettors (single & multichannel)
- 5 ft chemical fume hood
- Autoclave & ice machine
- Liquid nitrogen storage (2 dewars)

Core Capabilities

- ✓ Mammalian cell/tissue culture & engineering
- ✓ Cell imaging & analysis
- ✓ High-content & high-throughput screening (robotic)
- ✓ 75,000+ compound diversity library
- ✓ Flow cytometry & cytotoxicity assays
- ✓ Protein, RNA, and DNA purification & analysis
- ✓ Molecular cloning & gene transduction
- ✓ Plasmid transfection
- ✓ Biochemistry, enzyme assays & SOP development

Critical Support Services



The Center provides:

- Fee-for-service preclinical proof-of-concept studies
- Equipment training & technical support



Consulting in:

- Experimental design
- Data analysis & troubleshooting
- Grant writing & Fundraising
- Business & legal documentation

Infrastructure & Data Systems

- Facility-wide wireless internet
- Central server with redundant terabit & cloud backup
- Robotics supported by 6-hour UPS battery systems

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