

Cold Storage Solutions



About Us

UVA Office of Research Core Administration (ORCA) provides specialized, compliant, and continuously monitored cold storage solutions for sensitive biological samples, pharmaceutical materials, and research products. Our secure infrastructure supports clinical trials, biorepositories, and laboratory applications.

Compliance

- Dimensional Specifications: Samples must be housed in standard 5.25" x 5.25" x 2.13" cryobox.
- Internal Configuration: Boxes must utilize 81-slot internal dividers.
- Digital Inventory: Investigators are required to submit a comprehensive mapping diagram for each unit prior to accessioning

*Precision. Reliability.
Security for Research.*

Security and Reliability

- 24/7 Monitoring & Alerts: Continuous temperature monitoring, managed by advanced SOM system control.
- Emergency Power Backup: All units are connected to dedicated SOM emergency power, ensuring uninterrupted service.
- Active Emergency Response: On-call personnel available 24/7 to manage sample transfers in the event of mechanical failure.
- Biennially Calibration: Temperature probes are calibrated twice annually to ensure accuracy and meet regulatory standards.

Key Storage Offerings and Technical Specs

- Ultra-Low Temperature (ULT) Freezers (-80 °C): High-capacity, reliable storage for long-term preservation of vaccines and biological samples.
- Laboratory Freezers (-20 °C to -30 °C): Stable, high-performance units optimized for daily lab use, featuring manual defrost to eliminate temperature cycling.
- Cryogenic LN2 & Vapor Phase Storage (-135 °C to -196 °C): Secure cryopreservation tailored to precise material requirements.
- BioStore™ -190 °C LN2-Based Automated Storage System: Sample traceability, process control and monitoring through integration with Chronicle™ automation software.

Contact

For -80C, -20C and liquid nitrogen storage:

Dr. Pat Pramoongago
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(434) 982-0487

For BioStore™ storage:

Dr. Archana Thakur
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(434) 243-1417

Request Services on:

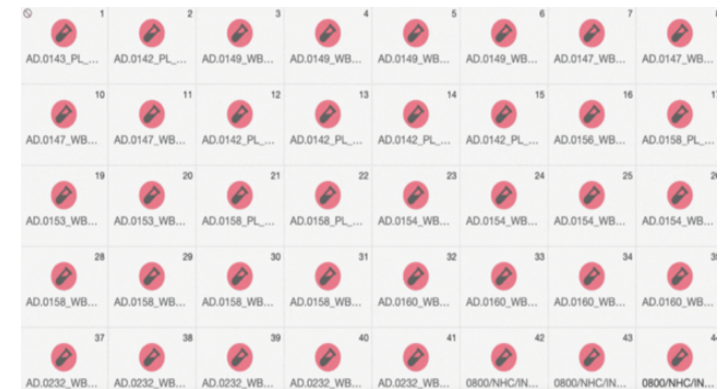
uva.corefacilities.org/account/login

BTRF Rates

Service Tier	Description	Rate
Accessioning	Initial Setup, 30 minutes of tech time and database entry	\$22.38/Box
Storage (Monthly)	Individual Unit (81-vial capacity)	\$3.78/Box
Storage (Monthly)	High-Density Rack (20 boxes)	\$75.60/Rack
Storage (Monthly)	Full Shelf Allocation (7 racks)	\$529.20/Shelf
Retrieval	Managed Retrieval per Vial	\$0.38
Retrieval	Managed Retrieval per Box	\$11.19

cGMP Rates

Service Tier	Description	Rate
Accessioning	Initial Setup, 30 minutes of tech time and database entry	\$25/Box
Storage (Monthly)	Individual Unit (100-vial capacity)	\$25/Box
Storage (Monthly)	High-Density Rack (15 Boxes)	\$375/Rack
Retrieval	Managed Retrieval per Vial	\$0.25
Retrieval	Managed Retrieval per Box	\$25



*Enhancing Research,
Rigor and Reliability*

