

Freezer Maintenance

Vanderbilt University Medical Center

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Freezers – Never enough space

- Committee to approve freezer space in farm
 - Membership
 - Policy
- Biostore
- PM agreements
- Alarm wiring to central office 24/7
- Review of long-term storage of samples
- Freezers in corridors and labs

What a Difference 15 Years Makes!



Move from first come, first served to planned access with NIH funded research

Freezer Farm Stats

	MCN 3 rd	MCN 5 th	LH 9 th
Square Feet	4,065	2,820	2,675
# of Freezers	75	27	90
% Occupied	100%	40%	100%

Newest Farm – committee

- Policy
 - Applicable to newest Freezer Farm
 - Funding
 - Frequency of Access
 - Preventive Maintenance
 - Review of content for transfer to Biostore
- Membership
 - Sr Leadership Research
 - Space Management
 - Office of Research
 - PIs
- Expand to older farms
 - Review of freezer use

Biostore



Info on Biostores

- MCN-VANTAGE: SampleStore SE+ (-20C)
 - Maximum capacity: 380,000 samples (1.4mL tubes in HD trays)
 - Replaces 8 standalone -20 freezers
 - 76% occupied
- Glenrose: BioStore II Quadbank (-20C and -80C banks)
 - Maximum capacity: 4 million samples (1mL and 1.4mL tubes in HD trays)
 - Replaces 95 standalone freezers (43 at -80C and 52 at -20C)
 - 12.5% occupied

Biostore/Long-Term Storage

- Storage at both -20 and -80 degrees
- Managed by Core
- Over 280k DNA samples from a single health care system in -20 biobank
- Institutional subsidy for storage pricing to make storage cost effective

Partnerships - PM and Alarm Wiring

- Work with technician in Facilities
- Space in new farm for spare
- Roster access/Data updates
- Ground floor knowledge
 - Ease of repair
 - Availability of parts
- Identify Users



Equipment Corridors & Alcoves

- Limited space in freezer farms, try to accommodate by pulling out of labs
- Equipment corridors
- Alcoves
- Old labs

