

# 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

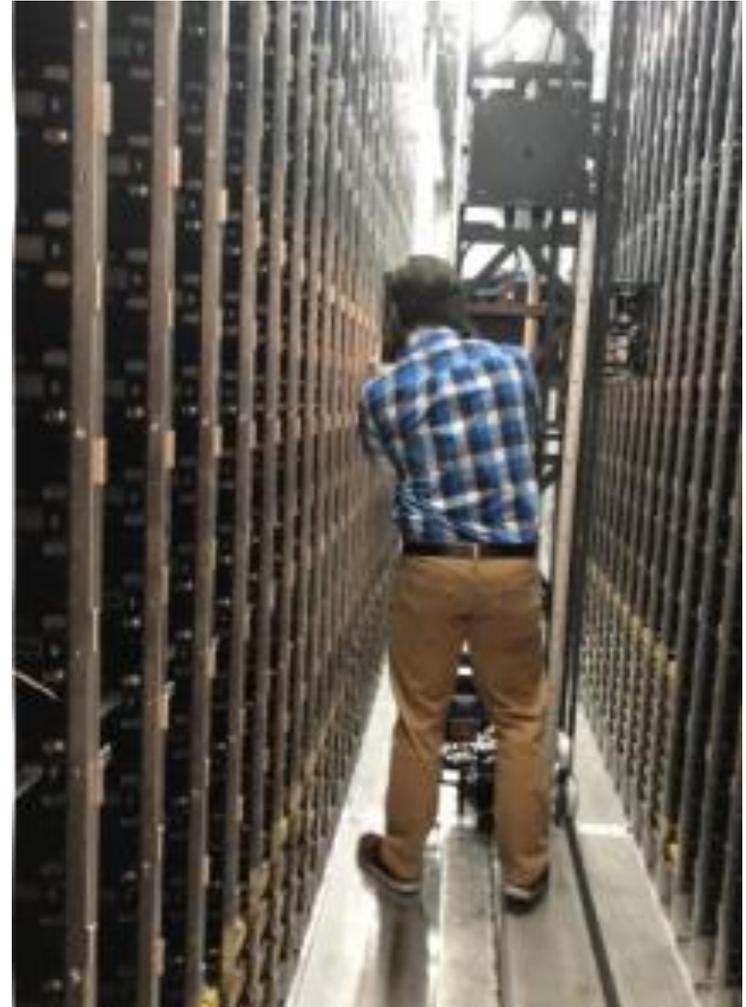
# Freezer Farm Stats

	MCN 3 <sup>rd</sup>	MCN 5 <sup>th</sup>	LH 9 <sup>th</sup>
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

