

# UNIVERSITY OF MARYLAND MEDICINE (UMM) BIOREPOSITORY

**CIBR: Center for Innovative Biomedical Resources**

## MAJOR EQUIPMENT

Hamilton Biorepository (BiOS) Freezer System

- state-of-the-art automated, ultra-low temperature (-80°C) freezer system
- equipped to accommodate over 900,000 biospecimens



## MISSION

The objective of the UMM Biorepository is to provide the resources and support for large-scale studies to empower basic and clinical researchers to make discoveries in genomics and 'omics' science and to translate these discoveries to more effective diagnostics and therapeutics.

## ABOUT

The UMM Biorepository is a resource building effort that includes banking of blood samples from UMMS patients as well as collections of various biospecimens from collaborating UM researchers. State-of-the-art robotic freezer and liquid-handling equipment offers a secure and managed environment for biospecimen processing, storage and distribution. Data connected to the samples is obtained through the electronic health record and/or study-specific data collection, allowing for multi-disciplinary research that can impact a range of health issues.

## CORE SERVICES

### Laboratory

- Sample processing & banking
- DNA/RNA extraction & banking
- Sample storage
- Sample retrieval

### Clinical Research Support

- IRB protocol preparation assistance
- Consenting
- Phlebotomy/sample collection
- Survey administration

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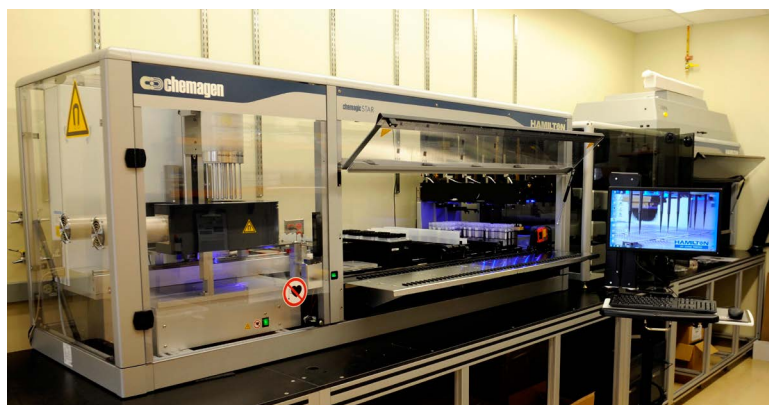
## MAJOR EQUIPMENT (CONT.)

Microlab chemagic STAR liquid handling system (Hamilton)

- DNA/RNA extraction

Microlab STAR liquid handling system (Hamilton)

- Sample aliquoting and set up specific assays using retrieved samples



## CONTACT



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[http://medschool.umaryland.edu/cibr/  
UMM\\_Biorepository](http://medschool.umaryland.edu/cibr/UMM_Biorepository)