

# ARLG

## The Laboratory Center

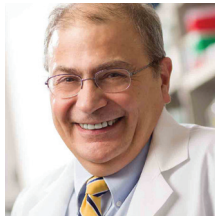
### About the Laboratory Center

- Leads the evaluation, development, and implementation of laboratory-based research by providing scientific leadership and supporting specialized laboratory services.
- Conducts laboratory-based studies using the Master Protocol for Evaluating Multiple Infection Diagnostics (MASTERMIND) initiative for researching multiple diagnostic devices from a single patient sample.
- Supports a Virtual Biorepository with consultation services on the selection of strains for research purposes.

### Leadership



Barry N. Kreiswirth, PhD  
Rutgers University  
Laboratory Center Director



Robert A. Bonomo, MD  
CWRU and Louis Stokes  
Cleveland VA Medical Center  
Lab Center Co-Director and  
Gram-Negative Lab Director



Robin Patel, MD  
Mayo Clinic  
Director of Diagnostics  
and MASTERMIND Protocol



Ephraim L. Tsalik, MD, PhD  
Duke University Medical Center  
Associate Director of Diagnostics  
and MASTERMIND Protocol

### Laboratory Center Mission:

*To facilitate and support the ARLG research agenda by leading the development, implementation, and evaluation of the laboratory research*

### About the Virtual Biorepository (VB) Catalogue

- A web-based, searchable system of clinically well-characterized Gram-positive and Gram-negative published strains.
- Provides investigators with unique access to strains for the development of diagnostic tests, novel antimicrobial compounds, and for use in research studies evaluating mechanisms of resistance.
- Shipped more than 1,000 strains to investigators from academia and industry in the U.S., France, Italy, and China.

### Visitors

- May browse the VB Catalogue.
- May request VB strains from the ARLG.
- Are responsible for shipping costs.

### Contributors

- May donate published strains to the VB Catalogue.
- Donated strains remain at contributors' laboratories.
- Are compensated for the preparation of VB stock for shipment of ARLG-approved VB strain requests.

### Virtual Biorepository Goal

To provide investigators with unique access to clinically well-characterized Gram-positive and Gram-negative bacteria for the development of diagnostic tests, novel antimicrobial compounds, and for use in research studies evaluating mechanisms of resistance.

### Find out more about the ARLG Laboratory Center

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**arlg.org**



# ARLG The Laboratory Center

## Finding Strains

Perform an advanced search for more options and narrowing of search criteria.

Browse by species of Gram strain, collections, or panels.

Perform a simple search by entering strain names or species, comma delimited— (OR logic).

## Reviewing Strains

Once strains are added to your wish list, you can view characteristics such as antimicrobial profiles.

Add strains of interest to a Wish List.

Hypertext link in the references section to view associated PubMed articles.

## Exporting and Requesting Strains

Enter your email here to send your Wish List from the system.

Export list to Excel for further review and sorting of strain characteristics.

Navigate to the list by clicking the Wish List icon at the top of the catalogue page.

You can add to your Wish List by further searching (or browsing) the catalogue.

Refine Wish List by removing strains.

Request strains by emailing Wish List (or interests) to [dcrl-arlg-vbadm@mc.duke.edu](mailto:dcrl-arlg-vbadm@mc.duke.edu).