

**INTRODUCTORY  
OFFER**

**CONTACT FOR  
DETAILS**

[www.microgenomx.com](http://www.microgenomx.com)

## **COMPREHENSIVE MICROBIOLOGY & GENOMICS SOLUTIONS**

**Expedite Your Microbial  
Resistance R&D; Validate  
Your Proof-of-Concept;  
Customizable Workflows**

Collective Expertise of Industry  
Stalwarts Enables Cost-Effective  
Validation

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MICROBIAL GENOME  
SEQUENCING & ANNOTATION

BIOINFORMATIC ANALYSIS

PRECLINICAL & CLINICAL  
MICROBIOME IMPACT STUDIES

ANTIBIOTIC EVALUATION  
STUDIES

RESISTANCE DEVELOPMENT  
STUDIES

CUSTOM SERVICES

Incubated at ILSE, Microgenomx focuses on advancing human health by providing innovative solutions through research, tools, and services.



1

### Receive & Validate Compounds / Strains

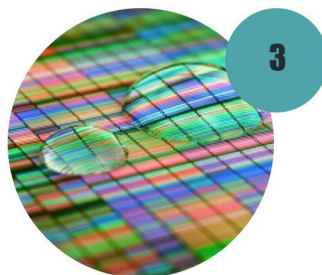
- Receive Sponsor Compounds / Strains
- Confirm MIC of Experimental Compound



2

### Resistant Mutant Characterization

- Raise Resistant Mutants
- Phenotypically Confirm Mutants



3

### Sequencing & Analysis

- Whole Genome Sequence of Resistant Mutants
- Assemble, Annotate and Analyze Sequence Data
- Perform Mutational Analysis against the Parental / Reference Strain



4

### Reporting & Delivery

- Deliver Final Report (including all experimental and QC data, raw and assembled sequence data)
- Provide all Resistant Isolates

Mutation Analysis Services Workflow

## RESISTANCE DETERMINATION STUDY / MECHANISM OF ACTIVITY

This study would be for the selection and characterization of resistant isolates of a bacterial strain against a sponsor's compound.

Final reports, including all experimental and QC data, raw and assembled sequence data and derived resistant isolates will be provided at study completion.



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## INTRODUCTORY OFFER THROUGH JULY

**Jumpstart your resistance research**

**Reports within 60 days of test compound receipt**

**Custom design can add desired micro panel**

**Proven robust study design oriented for discovery**

**Illumina® WGS & Analysis**