Met-SAMoA®, DESIGNED BY BIOASTER.
Metabolic Screening of Antimicrobial Mode of Actions

An integrated NMR/MS metabolomics platform for the prediction of the novelty of new antimicrobials mechanisms of action (MoA) based on their metabolic signature.

INTEREST
- Facilitate & accelerate new antimicrobials discovery and development
- Identify the novelty of a MoA - or confirm the target - of a new drug candidate

ADVANTAGES
- High level of specificity; sub-target level of information
- Medium-throughput automated platform, with industrial standards
- Simpler, faster and safer approach than classic methods

KNOW HOW
- High level omics technologies (NMR/MS) to generate MoA associated metabolic signatures
- Biostatistics-based MoA identification; prediction algorithms and machine learning
- Design and implementation of a dedicated database

POTENTIAL ANTIMICROBIALS

DRUG DEVELOPMENT

DATA GENERATION

M机学習アルゴリズム

MoA PREDICTION

参考薬物

MoA PREDICTION

データベース

NEW MoA