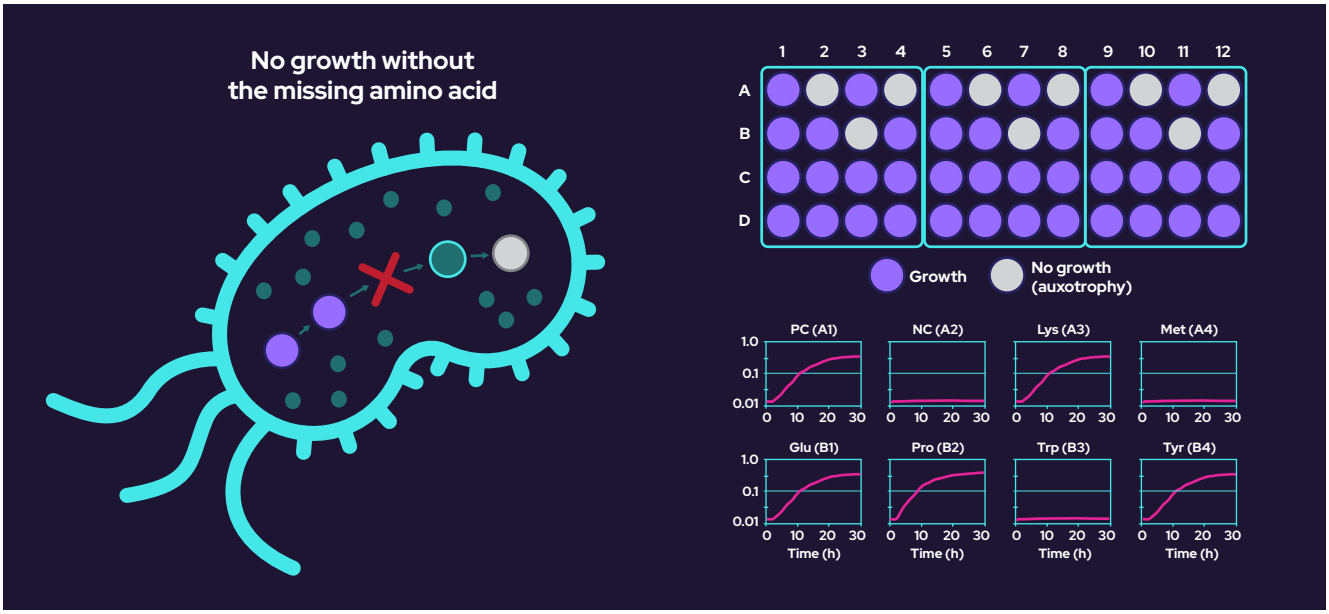
Auxotrophy Testing Simplified

AuxoPM™ AA replaces the labor-intensive preparation and variability of testing multiple amino acid dropout conditions with a standardized, reproducible plate-based assay for identifying and characterizing metabolic deficiencies.

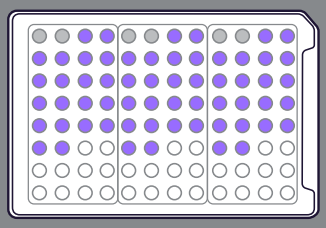


KEY FEATURES

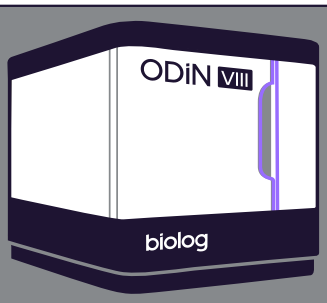
- **Turnkey Auxotrophy Testing**
  Evaluate amino acid requirements in a ready-to-use microplate without managing multiple formulations.
- **Rescue-Based Resolution**
  Integrated rescue and resolution conditions distinguish AA auxotrophies from upstream pathway limitations.
- **Flexible Applications**
  Support strain characterization, media optimization, metabolic engineering, pathway research, and more across aerobic and anaerobic microorganisms.
- **Standardized & Reproducible**
  Consistent conditions tested in triplicate reduce variability and provide clear results across strains and experiments.

A Standardized Approach to Illuminating Auxotrophy and Optimizing Outcomes

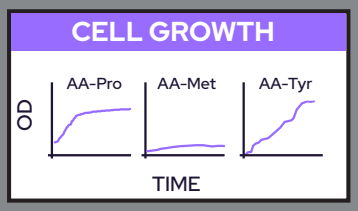
WORKFLOW



Inoculate bacterial, yeast, or fungal samples uniformly on AuxoPM AA using IF-AA



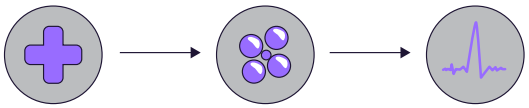
Transfer the plates to the Odin instrument for aerobic or anaerobic incubation and real-time kinetic measurements



Reveal metabolic requirements that drive microbial growth

ENHANCE PHENOTYPIC CHARACTERIZATION

Use AuxoPM AA results to supplement companion phenotyping assays with the amino acids your organism needs



Supplement required amino acids

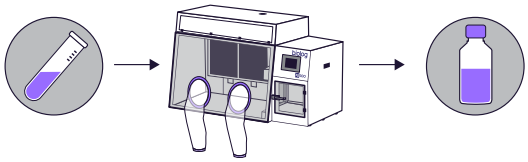
Improve microbial growth

Stronger signals & more useful phenotypes

Apply to a wide range of Biolog phenotyping solutions

OPTIMIZE MEDIA

Use amino acid requirement data to design and refine media for improved performance



Incorporate required amino acids into media formulations

Evaluate performance under desired atmosphere

Optimize media for better growth and recovery

Ideal for developing and refining

APPLICATIONS

- **Drug development**
- **Fermentation**
- **Strain characterization**
- **Pathway research**
- **Media Optimization**
- **Microbiome**

A new way to measure amino acid requirements

Learn more at **biolog.com**

biolog

Biolog has the tools, services, and support to provide comprehensive cellular characterization and multi-omic identification for thousands of bacteria, yeast, and fungal species. Our products enable the growth and phenotypic profiling of microbial and mammalian cells for a wide range of applications, including pre-reduced media and gloveless chambers that support culturing organisms under strictly anaerobic conditions.

Learn more at **biolog.com** or email us at **info@biolog.com**

MKT 156 Rev A