

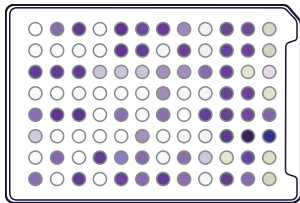
Biolog for Rapid Results

Fast and Accurate In-House Microbial Identification

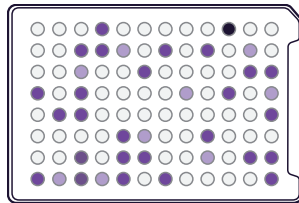
Fit-for-Purpose Test Panels

Biolog test panels are designed for the phenotypic identification of nearly 3,000 species of microbes, with a range of different microbiologically relevant substrates and inhibitors.

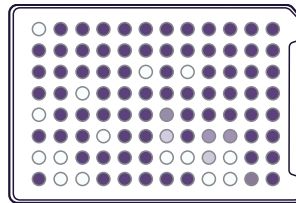
When inoculated and grown on the plate, each species generates a distinct metabolic fingerprint based on its ability to metabolize specific substrates, or its sensitivity to specific inhibitors. An algorithm searches the comprehensive database to find the best match.



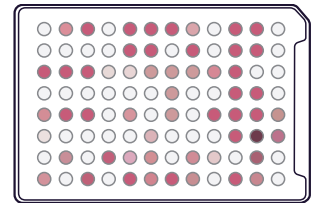
GEN III (Aerobes)



AN (Anaerobes)



YT (Yeast)



FF (Filamentous Fungi)

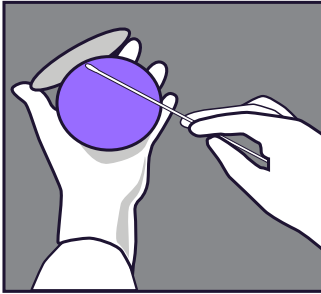
Aerobic & Anaerobic Bacteria

- 94 unique metabolic tests
- ID gram-negative and gram-positive bacteria with a single panel

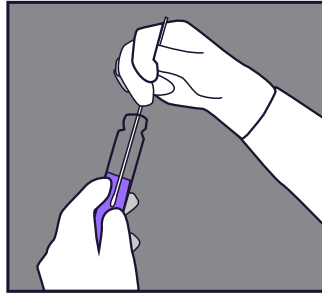
Yeast and Filamentous Fungi

- 94 carbon sources used by yeast and fungi – 190 total tests
- Plates contain a redox dye and are read at two different wavelengths:
 - Different redox dyes (OD490 or 590) to analyze substrates used for energy
 - Turbidity (OD750) to analyze substrates used for growth

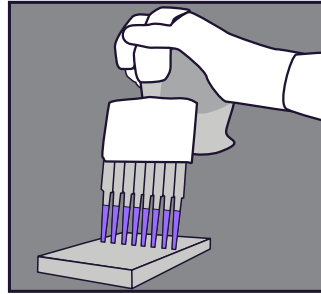
Straightforward, Quick Workflow



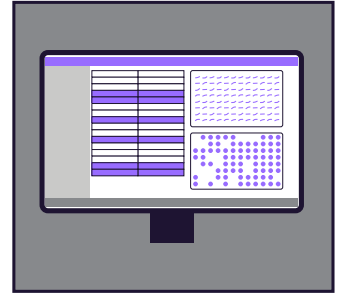
ISOLATE



PREPARE



INNOCULATE



INCUBATE & READ

Rapidly and accurately identify different organisms in your own lab with a simple test procedure:

- No pre- or post-tests necessary, including gram stain
- One minute set-up
- Elimination of variables that can affect results



Database with Relevant Species

Biolog's database has you covered with the most relevant environmental isolates. If you're working with proprietary strains, we support custom database creation too.

**>1,560 species
of aerobic
bacteria**

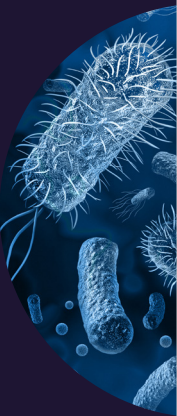
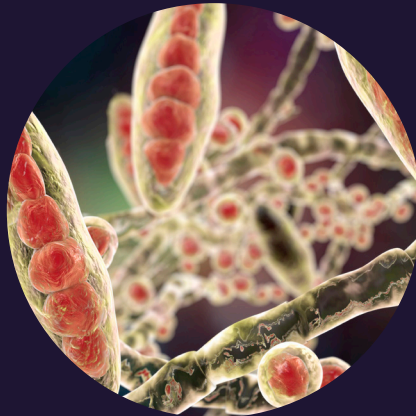
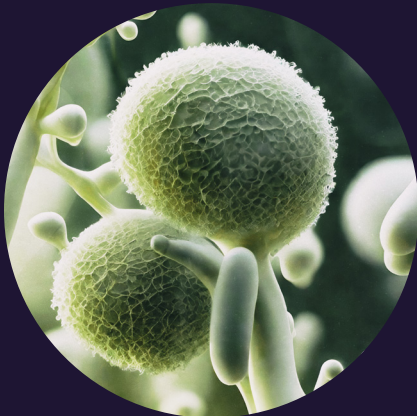
**>360 anaerobe
species**

Examples: Staphylococcus, Bacillus, Pseudomonas, Micrococcus, Ralstonia, Lactobacillus species

**>260 species
of yeast**

**>710 species
of filamentous
fungi**

Examples: Saccharomyces, Candida, Penicillium, Aspergillus, Cladosporium species



User-Friendly Software

Biolog's software makes the whole microbial identification process easy, from sample input to generation and export of the final report. All identification results are securely stored in a local database, and an optional package is available to support 21 CFR Part 11 compliance.

biolog Microbial Identification Report

| System Information | |
|---|---|
| Software: Odin v1.1.0 | Batch Creator: Odin Admin |
| Serial Number: BETA0003 | Identification Database: GEN_III_v2.08.01.I5G |
| Report Creator: administrator@company.com | Windows User: BETA3\bUser |

| Plate Information | |
|--|---------------------------------------|
| Project: OQ Testing - OQT | Type: GEN III (Aerobic Bacteria) |
| Id: b8a383b3-c343-44a6-9094-130a6blec... | Loaded At: 2023-10-23 09:10:46 |
| Offline Incubation Hours: 22 | Offline Incubation Temperature: 37 °C |
| Sample: Template 1 | Position: 25a |

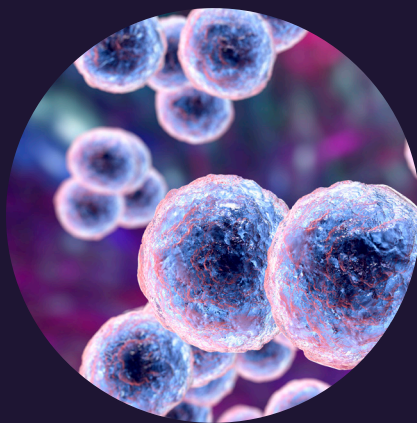
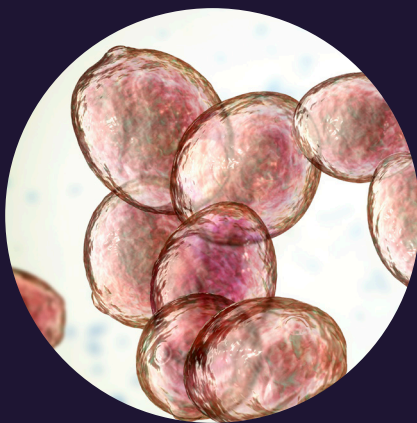
| Compliance | |
|------------------|-------------|
| Submitter: _____ | Date: _____ |
| Reviewer: _____ | Date: _____ |

| Results | |
|---|--|
| Status: Species ID | Called At: 2023-10-23 09:25:09 (00:14) |
| Result: <i>Corynebacterium striatum</i> | |

| Rank | Similarity | Organism Type | Species |
|------|------------|---------------|---|
| 1 | 0.7170 | GP-Rod | <i>Corynebacterium striatum</i> |
| 2 | 0.0000 | GP-Rod | <i>Corynebacterium confusum</i> |
| 3 | 0.0000 | GP-Rod | <i>Corynebacterium coyleae</i> |
| 4 | 0.0000 | GP-Rod | <i>Corynebacterium tuberculostearicum</i> |

Sample > Species Sample < Species

| OD 590 | | | | | | OD 740 | | | | | |
|--------|---|---|---|---|---|--------|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | 1 | 2 | 3 | 4 | 5 |
| A | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| B | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| C | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| D | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| E | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| F | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| G | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| H | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |



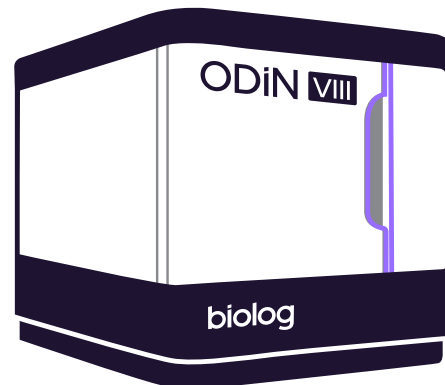
Systems for Streamlined Microbial Identification

Rapidly and accurately identify nearly 3,000 species of aerobic and anaerobic bacteria, yeast, and fungi, at any level of throughput you need in your lab.



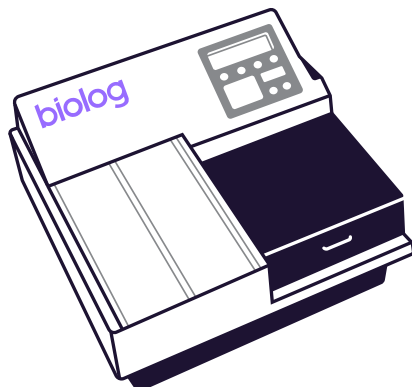
Odin L

Fully automated incubator/reader
for up to 50 plates/run



Odin VIII

Fully automated incubator/reader
for up to 8 plates/run



MicroStation

Single plate reader

Applications for Microbial Identification



Pharmaceuticals

Whether you are working with finished drugs or raw materials, quality verification testing is your strongest asset in establishing product quality and consistency.



Cosmetics

Protect your products, protect your brand by identifying microbial contaminants.



Food & Beverage

We help you maintain your quality control standards and give you the confidence of knowing exactly what is in your processes.



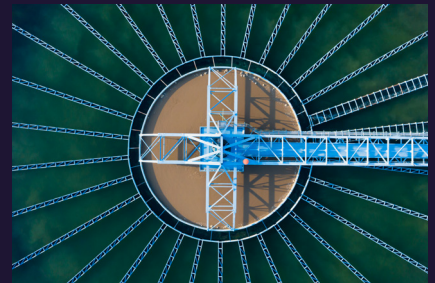
Animal Science

Detect and identify microorganisms that can cause disease in livestock or pets with a low upfront capital investment and a simple procedure.



Probiotics

Provide your customers assurance that your probiotic products are of the highest quality. From lot to lot, test the consistency and validate the identity of the organisms.



Water Treatment

Verify water is contamination free with quick in-house testing and monitor treated wastewater for particular pathogens.

Choose your
Method

biolog.com/ID

Biolog for You

Find out how at biolog.com

biolog

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