



Identifying the world we live in



If you need to know simply, inexpensively, and right now – then you need to know MIDI.

Animal Science
Biodefense
Biofuels
Bioremediation
Clinical Research
Dental Research
Marine Science
Nutraceutical
Pharmaceutical QC
Plant Pathology
PLFA
Soil Science
Taxonomy Studies



For a quarter of a century, MIDI, Inc. has exceeded the challenges posed by a steadily developing science. They've continuously pushed to the forefront, offering the world the most progressive microbial identification systems—by microbiologists, for microbiologists. The understanding of microbiology's pivotal role in the health, safety and lives of all people is accelerating, and it was MIDI's founder, 25 years ago, who knew that the methods used to identify microbes must be just as fast, or even faster. Since these groundbreaking beginnings, the Sherlock® Microbial Identification System (MIS) has been recognized by over 750 peer-reviewed articles worldwide for the sheer number of species that it can identify—over 1,500—and for its impressive speed, often just 15 minutes from pure culture to identification.

Today, the Sherlock MIS is recognized by an even more vital contingent. Government agencies; agriculture and biodefense researchers; contract labs; public health labs; hospitals; and a majority of the top ten pharmaceutical companies all rely on it. Spanning over 40 countries, these clients have had a lot of experience with MIDI's time-tested and evolving technologies.



Take, for example, the Sherlock® Mycobacterial Identification System (MYCO-LCS) released in 2003. Among its many assets, it is the only commercially-available system for *Mycobacterium tuberculosis* ID by high performance liquid chromatography (HPLC). Over 60 mycobacteria and related species are identified by the Sherlock MYCO-LCS. Similarly, they all differ on a cellular level from the aerobic bacteria, anaerobic bacteria, fungi and yeast identified by the Sherlock MIS. Yet what both systems accomplish is anything but small. Each completely eliminate the additional cost and time of extraneous offline tests, gram stains and biochemical cards that many other methods require. Taken together, the MIDI systems are unequalled, which is why it is not surprising that this long-established company has received major funding from the National Institutes of Health (NIH).

That MIDI can offer these innovative technologies, and can usually do it less expensively than its competitors, is a testament to its winning formula of knowledge and research; experience and foresight; continuity and invention, and above all, science and humanity. And there's no chromatography that can separate these.

Sherlock® Microbial Identification System (MIS)

Environmental and clinical laboratories from over 40 countries know that MIDI's Sherlock Microbial Identification System (MIS) is the first choice when they need results not only accurately and

Users have an identification in as little as 12 minutes.

inexpensively – but also rapidly. And it is the only choice for customers who demand the unparalleled benefits of a technology that flawlessly combines the dependability of 50 years of environmental and clinical laboratory application with a completely automated system designed for ease of use. Researchers have identified microbes using gas chromatography analysis of cellular fatty acids (GC-FAME) for half a century. For 25 of those years, so has the Sherlock MIS. In fact, there is no other commercially-available identification system today that has been able to harness this reliable, time-tested technology. Because the Sherlock MIS was created by microbiologists, with microbiologists in

mind, users get the full advantage of GC-FAME's

precision without having to know anything about it—or how to do it. All they need is fifteen minutes. The Sherlock's sophisticated pattern recognition software does the rest. Plus, the diversity of kits available for the Sherlock MIS, including Instant™ and Q-FAME™, define the most current and ever-evolving capabilities available.

Most environmental clients can prepare their samples in just 3 minutes, with identifications typically in another 12. Of

course, the Sherlock libraries contain an established range of aerobic bacteria, anaerobic bacteria, fungi and yeast, when it is necessary to cast a wider net. All of this speed and accuracy combined with the extensive libraries for the Sherlock MIS can still cost as little as \$3 USD per test. And when users want to add what they know to what the Sherlock knows, MIDI can customize libraries for them and their unique environments.

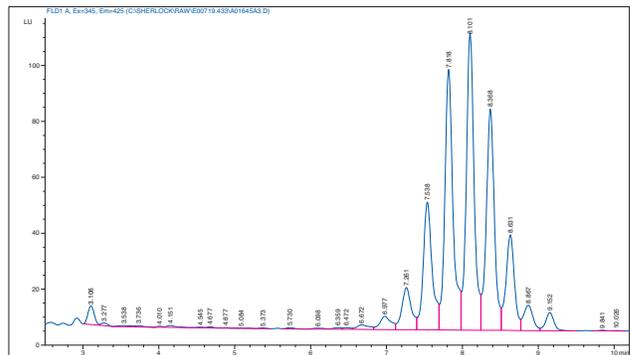


Sherlock MIS offers a diverse range of microbial and non-microbial applications.



Sherlock® Mycobacterial ID System (MYCO-LCS)

When MIDI decided to design a rapid system to identify *Mycobacterium tuberculosis* and other dangerous mycobacterial pathogens by HPLC, they automated the conventional U.S. CDC methods, while addressing the existing limitations in laboratories worldwide. The microbiologists at MIDI have always recognized and appreciated mycolic acid analysis by high performance liquid chromatography (HPLC), a successful strategy that has been in place for 25 years. But as innovators, they were compelled to make it even better, to upgrade it to a much more intuitive and user-accessible process. The result is a unique comprehensive system, fully-supported by a knowledgeable staff that is both educated and experienced. As primary architects of mycolic acid analysis, MIDI also provides the only commercially-available mycobacterial identification system that continues to provide customers with established HPLC technology. Now interfaced with powerful Sherlock software, the Sherlock MYCO-LCS represents what many consider the current method of choice. The Sherlock MYCO-LCS is a personalized system, yet capable of identifying



M. tuberculosis chromatogram

over 60 mycobacteria and related microbial species in just one analysis. Misidentification of any one of them is dramatically reduced because of the seamless integration of HPLC precision and the Sherlock MYCO-LCS's ingenious design—one that automatically sets the operating framework and makes necessary adjustments throughout the test. Users can have their samples identified in under two hours and for only \$6 USD per test, from pure culture and with less labor than the conventional methods. They don't need to know anything about HPLC. The practiced microbiologists at MIDI devised the Sherlock MYCO-LCS specifically for ease of use by all microbiologists.

Comprehensive libraries combined with a lower cost per test ensure greater value.



Our Sherlock® DNA sequencing software identifies bacteria, yeast and fungi by rRNA gene sequencing and coordinates with MIDI's identification systems.

Contract Lab



MIDI Labs is a sister company of MIDI, Inc., and experience runs in the family.

As co-developers of two microbial ID technologies—DNA sequencing and fatty-acid analysis—MIDI Labs has more experience in microbial identification than most other contract labs. Their respected and established history guarantees that they possess both the tools and the expertise to accurately identify over 2,500 species of bacteria, yeast, and fungi. MIDI Labs is FDA-registered, cGMP-compliant,

and recognized by users for their personal attention and quick turnaround.

But MIDI Labs also has a hand in the future, constantly striving to develop new and innovative technologies. Because of their progressive edge, MIDI Labs has yet another first to offer: polyphasic analysis. This means that users can receive the benefits of DNA sequencing and fatty acid analysis, together, in one convenient report that generates the most thorough and reliable results. Used exclusively by MIDI Labs, polyphasic analysis allows for greater confirmation and clarification of ID's and can be used for the resolution of an inconclusive match. MIDI Labs regularly provides trusted sequence analysis individually, as well. With a DNA sequencing method that has long been considered the “Gold Standard” by microbiologists, MIDI Labs has now improved upon it through the addition of its powerful Sherlock DNA software. Their fatty acid analysis technique is also singular, yet claims many assets: high throughput, high accuracy and rapid turnaround. Whether it's past, present, or future. Technology, expertise, or convenience. MIDI Labs has the market cornered on firsts.

MIDI Labs can accurately identify over 2,500 species of bacteria, yeast, and fungi.

When you deserve and demand absolute accuracy — you deserve MIDI Labs.

Need more information on MIDI Labs?

We invite you to inquire about our Saturday service as well as our value oriented, easy to understand price structure. Everything you need to keep your business successful.

To learn more about MIDI Labs and how they can help you identify what you've been missing call 1-800-276-8068 or email them at info@midilabs.com

MIDI Labs and you. Another Conclusive Match.





MIDI

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