

Microbiosci: The Premier Institution to Provide Fatty Acid Methyl Ester Analysis Services

New York City, New York Jul 31, 2022 ([Issuewire.com](https://www.issuewire.com)) - Microbiosci, the branch of Creative Biogene, a US leading biotechnological company, is committed to developing innovative technologies for microbiology research. The professional teams provide the best products and services through global manufacturing, development expertise, and advanced technology to enhance the overall quality of life. Recently, Microbiosci announced the release of its [fatty acid methyl ester](#) (FAME) analysis services which can be applied to identify various organisms and support microbial identification.

Creative Biogene has the ability to use FAME analysis to generate community profiles and monitor changes in community structure over time or space, identify and quantify individual fatty acids to assess relative differences and similarities between microbial communities, and, in conjunction with machine learning techniques, use FAME data bacterial identification at the species level.

By combining genotypic, chemical taxonomic, and phenotypic methods, Creative Biogene provides clients with the most thorough and reliable results for the identification of microorganisms based on morphological and biochemical data complemented by formation from molecular techniques.

Creative Biogene provides high-quality matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS) services for fast, sensitive, accurate, and cost-effective identification of common and esoteric bacteria and fungi.

Creative Biogene is the premier agency providing professional and comprehensive MLST services. A dedicated team with years of experience can meet specific project needs of clients using MLST technology to add value to research projects, obtain definitive identification of variants through nucleotide sequencing of gene fragments; determine the relatedness of isolates by comparing allelic profiles; conduct epidemiological and phylogenetic studies by comparing STs of different clonal complexes.

Neutral Lipid Fatty Acid Analysis offered by Creative Biogene can be used to measure Neutral Lipid Fatty Acids (NLFA) and Phospholipid Fatty Acids (PLFA) to account for disturbance effects on soil and compost microorganisms. Creative Biogene has established a fatty acid analysis platform, using LC-MS/MS and GC-MS/MS technology to achieve efficient and accurate fatty acid composition analysis and fatty acid quantitative analysis. Creative Biogene also provides 16S/18S/ITS sequencing services for microbial identification, which can be used for medicinal and oil plant component research, metabolite kinetic analysis, metabolic pathway analysis, lipid metabolism research, disease diagnosis, food and oil standards testing, nutrition and development research, etc.

"We provide a suite of trusted services and solutions for the identification, classification, quantification, and functional analysis of microorganisms in complex biological mixtures." said Marcia Brady, the marketing director of Creative Biogene, she also added, "With talented people and years of experience, we can fully meet your project requirements and budget in exploring microbial diversity."

About Microbiosci

Microbiosci, as the division of Creative Biogene, is always dedicated to satisfying the needs of clients covering more than 50 countries and districts. As a leading custom service provider in delivering medicine microbiology solutions, Microbiosci has become a well-recognized industry leader with years

of experience and professional scientists.

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Source : Creative Biogene

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