

Microbialtec Designs Sustainable Microbial Production to Support Pharmaceuticals and Biotech Research

New York City, New York Nov 2, 2022 ([Issuewire.com](https://www.issuewire.com)) - Microbialtec, a branch of Creative Biogene, specializes in microbiological research-related issues with products and services covering all stages from microbial sample collection to detection and analysis. Creative Biogene is dedicated to assisting researchers in exploring the hidden mysteries between microbes and health, production, and the environment to make better use of microbial resources. Recently, Microbialtec announced the release of its [microbial production](#) to accelerate pharmaceuticals and biotech research.

Through fermentation, Creative Biogene's microbes grown on inexpensive carbon sources can produce valuable products such as amino acids, nucleotides, organic acids, and vitamins that can be added to food to enhance its flavor or increase its nutritional value. Multigenerational selection and further propagation of high-yielding strains by Microbialtec can greatly increase yields. Another technique used to increase yields is gene amplification, in which genes encoding enzymes involved in antibiotic production can be copied back into cells by means of vectors such as plasmids.

Enzymes produced by microorganisms are extensively studied worldwide for their isolation, purification, and characterization of specific properties. As opposed to using chemical catalysts, microbial enzymes act as biocatalysts to carry out reactions in biological processes in an economical and environmentally friendly manner. The microbial enzymes offered by Microbialtec have demonstrated their utility in bioindustries such as food, leather, textiles, and animal feed, as well as in biotransformation and bioremediation.

Microbes are abundant in most environments on Earth, and their use is driving a small but significant technological revolution. Microorganisms have the potential to provide the ethanol needed for many petroleum-derived products as well as liquid fuels. The role of the microorganisms that produce them is sure to become increasingly important.

Biotransformation using microorganisms in chemical production pathways expands the field of biotechnological production of drugs. With the growing understanding of the regulation of biosynthetic processes, Microbialtec's growing experience in using microorganisms as biocatalysts and sources of valuable enzymes, and the development of new economical and technological procedures, increasing the amount of biosynthesis and biotransformation prepared by microorganisms the number of drugs.

"Combining rich project experience, strict data quality control, and professional analysis process, we will ensure that the service is carried out accurately and quickly." said Marcia Brady, the marketing director of Creative Biogene, she also added, "We are committed to providing professional services to accelerate the realization of our client's research goals, and we will also customize solutions according to your requirements, allowing you to enjoy a one-stop experience."

About Microbialtec Platform

As a division of Creative Biogene, the Microbialtec platform has an experienced technical team involving molecular biology, medicine, bioinformatics, and statistical ecology. With 10 years of front-line scientific research experience, Creative Biogene supports customers with an overall microbiological research program and is capable to satisfy customized needs at affordable prices.

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