

WHO WE ARE

We are dedicated to breaking barriers in probiotic product safety, quality and efficacy. We deliver beyond microbial enumeration, we provide advanced probiotic and microbiome analytical solutions to guarantee product safety, quality and efficacy.

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YOUR ADVANCED PROBIOTIC & MICROBIOME ANALYTICAL SOLUTIONS



PROBIONALYTIX LABORATORIES

Exploring The Unknown in Product Quality & Safety



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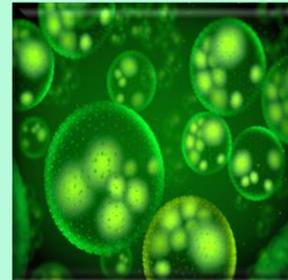
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OUR TECHNICAL SERVICES

PROBIOTIC & MICROBIOME PROFILING



Our Microbial profiling identifies the full spectrum of microorganisms present in your product, including beneficial, pathogenic, objectionable, non-objectionable, spoilage and toxin-producing microbes. This service is not only essential for ensuring product safety and quality but also provides valuable insights into potential contamination sources and helps refine and optimize your production processes and supports R&D teams in developing new formulations and optimizing existing products for better efficacy and safety.

PROBIOTIC STRAIN TYPING



At ProbianalytiX Labs, strain typing helps in determining the exact strain present in your products, which is crucial for tracking sources of contamination, understanding strain-specific properties, and confirming the identity of probiotic strains.



ABOUT US

At ProbionalytiX Labs, we specialize in comprehensive analytical services that ensure quality, safety and efficacy of probiotics and microbiome in various product formulations, including pharmaceutical, fermented, food, soil and animal feed products. Our offerings include but are not limited to:

- Probiotic & Microbiome Strain Typing**
- Microbiome Profiling**
- Strain Maintenance**
- Strain Banking & Preservation**
- Clinical Trials & Efficacy Analysis**
- Probiotics Antibiotic-resistant Analysis**
- Probiotic Viability Assessment & Optimization Solutions**
- Microbial Contamination Control**
- Product Challenge Studies**
- Probiotics Mechanism of Action Tests**
- New Probiotic Product Formulation & Development**

Ensuring the quality and safety of probiotics—including accurate strain identification, viability, purity, long-term stability, antibiotic-resistant trait and strain consistency with no pathogenic mix—is vital for establishing credibility and trust among consumers, health professionals, and regulatory authorities.

LET US ELEVATE YOUR STANDARDS—PARTNER WITH US FOR DEPENDABLE, SCIENCE-DRIVEN RESULTS.



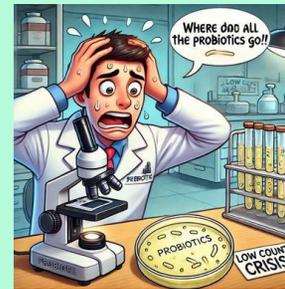
TECHNICAL SERVICES CONT.

MICROBIOME STRAIN STORAGE & MAINTENANCE



We understand the critical importance of maintaining batch consistency and the integrity and viability of microbial strains, especially probiotic strains. Our Strain Storage & Maintenance services are designed to provide a secure and reliable solution for the long-term preservation of your valuable microbial cultures.

PROBIOTIC VIABILITY ASSESSMENT



We provide comprehensive Probiotic Viability Assessment & Optimization Solutions to ensure the potency and effectiveness of your probiotic products. We work to ensure probiotic low-count challenge is investigated and resolved. We also design and execute experiments to support product efficacy

PROBIOTIC CLINICAL TRIALS & EFFICACY ANALYSIS



Probiotic clinical trials are essential for validating safety, efficacy, and health claims, ensuring your product meets regulatory standards and gains consumer. We also provide *in vitro* efficacy analysis to validate the efficacy of your formulations and products against targeted health and functional claims.

PROBIOTIC LABELS OFTEN MISALIGN WITH ACTUAL SPECIES, COUNTS & CLAIMS ANALYZED IN COMMERCIAL PRODUCTS

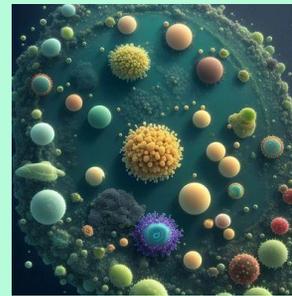
VERIFY YOUR PRODUCT WITH US

Regulatory issues and product recalls can be expensive. Contact us today for verification of your products.



TECHNICAL SERVICES CONT.

PROBIOTICS ANTIBIOTIC-RESISTANT ANALYSIS



With growing concerns over antibiotic resistance in probiotics, this service provides comprehensive insights into the susceptibility and resistance profiles of your probiotic strains. We provide advanced testing to detect resistance against antibiotics, including tetracyclines, macrolides, beta-lactams, and more.

PRODUCT CHALLENGE STUDIES

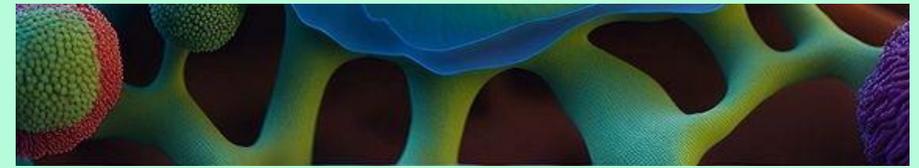


Challenge studies, also known as Microbial Challenge Tests, are designed to determine how food products behave under certain conditions and how they support or inhibit the growth of microorganisms.

BANK YOUR MICROBIAL STRAINS WITH PROBIONALYTIK LABORATORIES

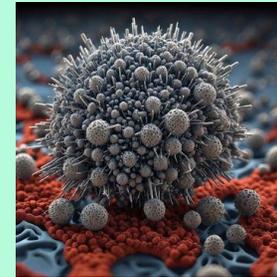
INVESTING IN OUR STRAIN STORAGE & MAINTENANCE SERVICES IS A PROACTIVE STEP TOWARDS ENSURING THE SUCCESS, QUALITY-CONSISTENCE AND THE SAFETY OF YOUR PRODUCTS.

CONTACT US TODAY!



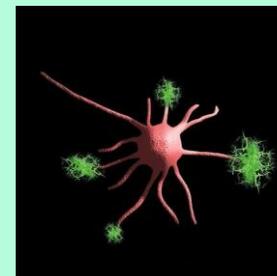
OUR PROBIOTICS MECHANISM OF ACTION TESTS

PROBIOTIC PATHOGEN DISPLACEMENT TESTS



The goal of this tests, at ProbionalytiX Labs, is to evaluate how probiotics outcompete pathogenic microbes for adhesion sites and nutrients on gut epithelial cells, thereby reducing pathogen colonization. The method employs an in vitro epithelial cell adhesion assay using gut epithelial cell lines

PROBIOTIC ADHESION TESTS



At ProbionalytiX Labs, our Probiotic Adhesion Tests are designed to evaluate the ability of probiotics to adhere to gut epithelial cells. This critical characteristic underpins the efficacy of probiotics in supporting gut health by establishing a protective barrier and enhancing colonization potential in the gastrointestinal tract.

ADVANCING HEALTH WITH SCIENTIFIC SOLUTIONS

PROBIOTICS ARE HIGHLY STRAIN-SPECIFIC

For probiotics, product quality is paramount, as their effectiveness relies on being live microorganisms and most of their benefits are highly strain specific.

EXPLORE OUR CUTTING-EDGE INNOVATIVE SCIENTIFIC SOLUTIONS TO PROBIOTIC AND BIOPRODUCT QUALITY AND SAFETY

At ProbionalytiX Labs, we uphold the necessary international standards and regulatory guidelines to ensure precision, reliability, and compliance in our probiotic and microbiome analytical services.

PROBIOTICS MECHANISM OF ACTION TESTS CONT.

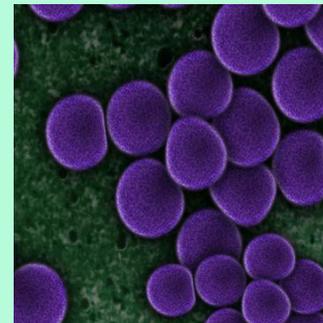
VITAMIN & NUTRIENT PRODUCTION TESTS



Our Vitamin & Nutrient Production Tests evaluate the ability of probiotic strains to produce essential vitamins and nutrients during fermentation. These tests are designed to identify strains that enhance the nutritional value of probiotic products, offering additional functional benefits such as improved gut health, immunity, and overall well-being

PROBIOTIC DETOXIFICATION TESTS

Our Probiotic Detoxification Tests assess the ability of probiotics to neutralize harmful substances, including environmental toxins, heavy metals, mycotoxins, and xenobiotics. These tests evaluate strain-specific detoxification capabilities, supporting the development of probiotic products aimed at improving safety and promoting overall health by mitigating toxic exposures.



WHY CHOOSE US

Cutting-Edge Expertise and Innovation: At ProbionalytiX Laboratories, we leverage advanced methodologies and the latest scientific technologies to offer top-tier analytical services. Our specialized focus on probiotic and microbial typing and speciation, characterization, profiling and clinical trials and efficacy analysis ensures that your products meet stringent industry standards.

Comprehensive Range of Services: We provide a full suite of microbiological services, from precision strain identification and profiling and long-term strain storage solutions to probiotic efficiency and potency analysis. Our services cater to all facets of probiotic and fermented product quality control, research, and product development, making us a one-stop solution for your laboratory needs.

Commitment to Quality and Compliance: We uphold the highest standards of accuracy, compliance, and reliability. Our analytical and storage practices align with global industry benchmarks, ensuring your products are safe, effective, and meet all regulatory requirements.

Tailored Solutions for Client Success: We understand that each client's needs are unique. Our team works collaboratively to provide customized solutions that enhance product development and streamline your quality assurance processes.

Long-Term Partnerships and Trust: By choosing ProbionalytiX Laboratories, you gain a partner committed to your ongoing success. Our dedication to excellence, transparency, and dependable service builds trust and long-term relationships with clients in diverse industries, from probiotics and supplements to pharmaceuticals and food products.

PROBIOTICS MECHANISM OF ACTION TESTS CONT.

PROBIOTIC ANTIMICROBIAL PRODUCTION TESTS



At ProbionalytiX Labs, our Probiotic Antimicrobial Production Tests are designed to evaluate the ability of probiotic strains to produce antimicrobial compounds that inhibit the growth of harmful pathogens. These antimicrobial agents, such as bacteriocins, organic acids, and hydrogen peroxide, play a critical role in promoting gut health, maintaining microbial balance, and preventing infections

PRODUCTION OF SHORT-CHAIN FATTY ACIDS TESTS



We offer advanced testing services for the production of short-chain fatty acids (SCFAs) by probiotics and microbiome. SCFAs, such as acetate, propionate, and butyrate, are crucial metabolites produced by gut microbiota during fermentation of dietary fibers. These compounds play a significant role in gut health, immune function, and metabolic processes.