



PEDIOCOCCUS PENTOSACEUS

The Versatile Fermentation Partner & Gut Microbiome Modulator

PRODUCT OVERVIEW

Pediococcus pentosaceus is a highly adaptable and resilient lactic acid bacterium, recognized for its crucial role in food fermentation and as a next-generation probiotic. With a robust nature allowing it to thrive in diverse environments, this strain is a key player in enhancing food safety and a powerful partner in synbiotic formulations. Its ability to function effectively in the presence of prebiotics enhances gut microbiome modulation. Supply is a high-performance on high-performance strain in a potent 200B CFU specification.

✓ Robust Environmental Tolerance

Survival under challenging conditions (acidity, bile, osmotic stress)



✓ Broad-Spectrum Antimicrobial Activity

Produces bacteriocins (pediocin) to inhibit undesirable bacteria



✓ Synergistic Prebiotic Utilization

Ferments plant-based carbs (pentoses) to enhance gut activity



✓ High-Impact 200B CFU Option

Substantial dose for effective colonization and functional impact



✓ Excellent Fermentation Profile

Rapidly acidifies substrates, enhancing flavor and preservation



✓ Colonization & Synergy

Simultaneous action with prebiotic fibers for guaranteed results



Application Scenarios



Starter Culture for Fermented Foods

Vegetables (sauerkraut, kimchi), meats (salami), certain cheeses



Synbiotic Supplement Formulations

Utilizes FOS and XOS prebiotics for enhanced efficacy



Animal Nutrition & Feed Additives

Silage inoculants and direct-fed microbials



Sym | Post

Gut Health & Immunity Supplements

Modulate immune responses and support balanced microbiota

Product Specifications

CFU STRENGTHS: 200 Billion CFU

FORMATS: Bulk Powder

OPTIONS: Customized Formats / Comprehensive Technical Support & Private Labeling Services

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