



BIO CULTURE

MULTIPLE SPORE BLEND OF BACTERIA

For Drain line, grease trap, odor control, Septic and waste treatment

DESCRIPTION

BIO CULTURE is a Multiple Spore Blend of Bacteria that Control Odors, Remove Organic Waste Compounds and Provides Quick Cleaning Action. **BIO CULTURE** is approved by Health Canada and Agriculture Canada. **BIO CULTURE**'s innovative Multiple Spore Blend can be used to design environmentally safe solutions for many types of organic wastes.

The select blend of biostrains in **BIO CULTURE** specifically promote optimum enzymatic activity of Protease, Lipase, Amylase and Cellulase, and provides outstanding breakdown of protein, Starch, carbohydrates, fats, Oils and Grease.

APPLICATIONS

BIO CULTURE is designed to provide exceptional performance in Drain line, grease trap maintenance, odor control, Septic and waste treatment.

CHARACTERISTICS

Bacteria Count :	54 X 10⁶ cfu/ml
Bacteria Type :	Blend of <i>Bacillus</i> Spore
Enzyme Production :	Lipase, Protease, Amylase and Cellulase
Bacterial Pathway :	Aerobic and Facultative Anaerobic

PERFORMANCE

- . Accelerated enzymatic degradation – synergistic action allows the multiple spore blend to work faster and more effectively.
- . Superior germination and outgrowth – results in increased bacterial activity in a variety of organic waste applications.
- . Enhanced aerobic and anaerobic performance ideal for applications subject to aerobic and anaerobic environments.



BIO CULTURE

BLEND OF BACTERIA

For Drain line, grease trap, odor control,
Septic and waste treatment

DESCRIPTION

BIO CULTURE is a bacterial formulation designed to improve waste degradation in septic tanks and eliminate odors due to organic buildup.

BIO CULTURE is a blend of microorganisms that collectively produce enzymes for the degradation of fats, oils, proteins, starch and carbohydrates.

BIO CULTURE is a synergistic blend of highly specialized and selectively adapted spores and vegetative microorganisms, designed specifically to provide accelerated degradation of difficult to degrade organic compounds. The microorganisms in **BIO CULTURE** were selected based on each strain's superior enzymatic activity against substrates such as fats, oils, grease, protein, starch and carbohydrates. This consortium of microorganisms also exhibits exceptional organic degradation in both aerobic and anaerobic environments. It degrades also tissue, detergents, fats, oils and grease.

CHARACTERISTICS

- High enzyme production of: Lipase, Protease, Amylase and Cellulase.
- Blend of *Bacillus* spores and vegetative microorganisms
- Grease biodegradation outperforms other competitive formulations in laboratory and field studies.
- Superior germination and outgrowth results in increased bacterial activity in a variety of organic waste applications.
- Accelerated enzymatic degradation allows the microbial consortium to work faster and more effectively.
- General organic waste degrader.
- Enhanced aerobic and anaerobic performance, designed for applications subject to aerobic and anaerobic environments.



BIO CULTURE

Multiple Spore Blend for Odor Control – Quick Cleaning Action – Organic Removal

BENEFITS

- Approved by Health Canada
- Approved by Agriculture Canada (Canadian Food Inspection Agency)
- Components are listed on the Canadian Domestic Substances List (DSL) ^{Canada}
- Designed to provide an environmentally safe solutions for many types of organic wastes and odor problems.
- Its biostrains specifically promote optimum enzymatic activity of protease, lipase, amylase and cellulase, and provides outstanding breakdown of protein, starch, carbohydrates, fats, oils and grease.

APPLICATIONS

BIO CULTURE is designed to provide exceptional performance across multiple applications:

- Drain line and grease trap maintenance and odor control
- Septic and waste treatment
- Bathroom cleaner and deodorizer
- Carpet and fabric care – odor and stain removal of milk, vomit, urine, feces, blood, coffee, wine, etc.

PRODUCT CHARACTERISTICS


Bacteria count:	5.4 x 10 ⁷ CFU/ml
Bacteria type:	Blend of <i>Bacillus</i> spores
<i>Salmonella/Shigella</i>	Negative
Stability	2 years at 2°C to 35°C (35°F-95°F)
Enzyme Production	Lipase, Protease, Amylase and Cellulase
Bacterial Pathways	Aerobic & facultative anaerobic
pH range	5.0 –9.8
Temperature range	3°C to 63°C (38°F-145°F)



CHARACTERISTICS

- High enzyme production of: Lipase, Protease, Amylase and Cellulase.
- Grease biodegradation outperforms other competitive formulations in laboratory and field studies.
- Superior germination and outgrowth results in increased bacterial activity in a variety of organic waste applications.
- Accelerated enzymatic degradation – Synergistic action allows the multiple spore blend to work faster and more effectively.
- General organic waste degrader.
- Enhanced aerobic and anaerobic performance, designed for applications subject to aerobic and anaerobic environments.

DOSAGE

The dosage of **BIO CULTURE** will vary depending on the specific application. Specific recommendations, can be provided by your  **atomes** representative.