

DIGESTER DEODORANTS

BIG D® **DRAIN-TAME PLUS** is a combination of free enzymes, nutrients and genetically engineered spores designed to quickly digest grease as well as proteins and other organic wastes. These spores continue to grow and degrade grease compounds long after initial usage. A non-acid, non-caustic formula, **DRAIN-TAME PLUS** is the safe and cost-effective way to treat drain systems, grease traps, septic systems and institutional floors. Coupled with BIG D® deodorant, it deodorizes while digesting organic waste and reducing the volume of solids, including grease, proteins, fats and oils.

BIG D® **ENZYM D** digests organic waste and destroys odors associated with the decay of organic matter. It is highly effective in eliminating the organic salts associated with urine which cause odors. Specially bred enzyme/bacteria cultures attack and break down uric acid molecules by digesting the source, just the way nature does it— but in minutes rather than days or weeks, with zero environmental impact. **ENZYM D** also contains BIG D® deodorant, which neutralizes odors on contact.



All Big D® products are free of surfactants known as APEs (alkylphenol ethoxylates) and NPEs (nonylphenol ethoxylates), which do not biodegrade quickly and are toxic to aquatic life.



ENZYM PUMP

PRODUCT NO. 070500

Shipping Weight 4 lbs.



Designed to be used in conjunction with **ENZYM D** and **DRAIN-TAME PLUS**, this fully programmable peristaltic pump is designed for chemical treatment of drains and grease traps in food processing, restaurants, factories and institutions.

DRAIN-TAME PLUS consists of a synergistic blend of highly specialized *Bacillus* microorganisms combined with a powerful stabilized enzyme system. Designed specifically to improve the bioenzymatic liquefaction and digestion of organic waste, **DRAIN-TAME PLUS** promotes the rapid breakdown of organic matter in applications where accelerated enzymatic reactions are desired, such as drain lines, grease traps and waste degrading applications.

The microorganisms in **DRAIN-TAME PLUS** were selected based on each strain's superior enzymatic activity against specific substrates (fats, oils, grease, protein, starch and carbohydrates) and the combined synergistic value of the final culture consortium, as demonstrated in enhanced cell growth, germination rate and effectiveness over a wide range of organic substrates. This consortium of microorganisms also exhibits exceptional organic degradation performance in both aerobic and anaerobic environments. The addition of the stable enzyme system provides a quick start to the **DRAIN-TAME PLUS** metabolic activity. This is an important feature when time is critical.

The superior degradation capabilities are due, in part, to the addition of the stable enzymes. The added enzymes accelerate the degradation of organic particles into soluble food, improving biological degradation. This accelerated degradation results in improved performance in drain lines, grease traps, wet wells, lift stations, septic systems and other waste degrading applications.

DRAIN-TAME PLUS is a bacterial formulation designed to provide exceptional performance for the following applications:

- Drain Line & Grease Trap Opener and Maintainer
- Septic and Waste Treatment
- Laundry Pre-Spot Treatment
- Portable Toilet Treatment
- Odor Control for Garbage Holding Areas, Kennels, etc.

PERFORMANCE BENEFITS

- Superior grease biodegradation, thereby outperforming 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 multiple spore blend to work faster and more effectively.
- Enhanced aerobic and anaerobic performance, ideal for applications subject to aerobic and anaerobic environments.
- General organic waste degrader.

PRODUCT CHARACTERISTICS

Bacteria Count: Minimum of 54.0 x 10⁶ cfu/ml (~200 billion/gallon)
Bacteria Type: Blend of *Bacillus* Spores, *Salmonella*/*Shigella* Negative
Appearance: Fluorescent Yellow
Fragrance: Fresh Scent

PERFORMANCE CHARACTERISTICS

- High Enzyme Production Lipase/Protease/Amylase/Cellulase
- Bacterial Pathways Aerobic & Facultative Anaerobic

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STRAINS OF MICROORGANISMS PRESENT IN ENZYM D

- *Bacillus licheniformis* - good lipase production for grease digestion, cellulose production for cellulose degradation and amylase production for starch degradation.
- *Bacillus amyloliquefaciens* - superior protease production for protein digestion.
- *Bacillus pasteurii* - superior lipase production for grease digestion.
- *Bacillus laevolacticus* - extremely fast germination, superior lipase production for grease digestion.

ENZYM D is a white colored liquid with a pleasant smelling deodorant added to enhance deodorization. We guarantee a minimum of 17 million bacterial spores/ml (which translates to 64 billion/gal), but usually the count is approximately two to three times that number. These bacterial spores, once germinated, produce different enzymes that aid in the degradation of organic waste.

ENZYM D has met the DuPont test for use on new generations of carpet. It can be used to eliminate urine odor on carpet, upholstery, urinals, grout and tile.



DRAIN-TAME PLUS

PRODUCT NO. 050100

QUARTS packed 12 per shipping case - Weight 28 lbs.

PRODUCT NO. 150100

GALLONS packed 4 per shipping case - Weight 36 lbs.

ALSO AVAILABLE

5 GALLON PAIL - Shipping Weight 45 lbs.
55 GALLON DRUM - Shipping Weight 483 lbs.

ENZYM D

PRODUCT NO. FRAGRANCE

050000	Lemon
050400	Mint Fresh
050900	Apple
051000	Mountain Air

QUARTS packed 12 per shipping case - Weight 28 lbs.

150000	Lemon
150400	Mint Fresh
150900	Apple
151000	Mountain Air

GALLONS packed 4 per shipping case - Weight 36 lbs.

ALSO AVAILABLE

5 GALLON PAIL - Shipping Weight 45 lbs.
55 GALLON DRUM - Shipping Weight 483 lbs.



BIG D INDUSTRIES

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