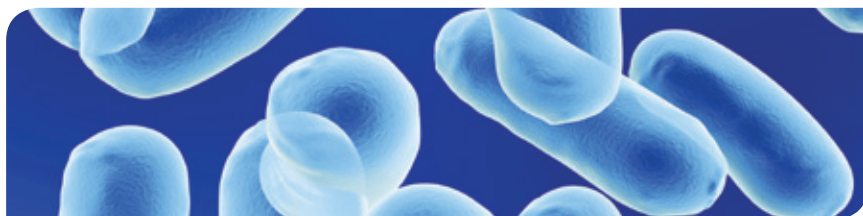


# BACTERIAL/ENZYME DIGESTANTS





## THE ATHEA® ADVANTAGE

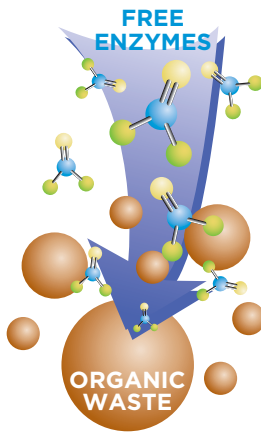
Bacterial digestants have long been used for safe, effective bioremediation. From the very beginning, **ATHEA®** was at the forefront of this technology. Our early research and testing resulted in the development of powerful, resilient bacterial strains that actively digest heavy organic waste. Today, **ATHEA®**'s bacteria products lead the market because of three critical factors: bacteria are packaged in spore form for longer shelf life; products are task-specific for better performance; and our bacteria doubles in count every twenty minutes. **ATHEA®**'s bacteria digestants are available in liquid and powder form for cleaning, odor control, drain maintenance, or whatever your needs may be.

## THE MECHANICS OF ORGANIC DIGESTION

The purpose of adding a bacterial digestant to organic waste is to hasten the process of decomposition without producing foul odors. **ATHEA®** has developed several advanced products, each consisting of three basic elements needed to quickly and effectively break down waste. These elements are nutrients, free enzymes and bacterial cultures. Here's how it works:



**NUTRIENTS:**  
Promote bacteria growth and increase digestion activity



**FREE ENZYMES:**  
Break down complex waste molecules making digestion easier for bacteria



**BACTERIAL CULTURES:**  
Select bacteria digest and eliminate organic waste by converting it into its basic components carbon dioxide, and water

## ENSURING SUCCESS

Reinforcing our dedication to quality, all of **ATHEA®**'s digestant products exceed industry standards. Our digestants contain higher bacteria counts to give you more economical digestive action. In addition, we only offer freeze-dried spore-form bacteria to ensure greater stability, longer shelf life, and the most effective results.

Of the millions of different bacteria that exist, we've carefully selected the Bacillus strain for its outstanding qualities and excellent performance. As a non-pathogenic bacteria, it poses no threat of disease to humans or animals. Bacillus are also very hardy and can consume waste in both aerobic and anaerobic conditions. In addition, they quickly reproduce and consume a wide variety of organic waste without producing foul odors.

## PRIVATE LABEL

With the ever-growing trend toward private label brands in both the consumer and commercial markets, **ATHEA®** is well-positioned to deliver on our customers' needs. Today, over 90% of products **ATHEA®** ships are private labeled. A complete turn-key approach of chemical formulation and production, wipe converting and manufacturing, low minimums, the highest-quality artwork, nearly unlimited packaging options, fast turnaround, and strict confidentiality make **ATHEA®** the market leader in this category. Products not private labeled ship under the Total Solutions® brand.



## POWDER BACTERIAL DIGESTANTS

### #502 **BIO-PAKS™**

- **DIGESTASE™ APD 900** in water-soluble packets for the easiest application
- Available in .25 and 1 pound packets

### #502 **DIGESTASE™ APD 900** **PREMIUM GRADE, ALL-PURPOSE DIGESTANT**



- Guaranteed highest counts of multi-cultured bacterial strains
- Works on the toughest waste accumulation
- Natural digestive process eliminates proteins, starches, fats and oils
- Regular use produces uninterrupted cleaning of plumbing and septic tanks
- NSF Certified: C1

### #510 **DIGESTASE™ SDE 340** **SEWER DIGESTANT WITH ENZYMES**

- Developed to optimize functions of sewage treatment facilities
- Accelerates the treatment process, allowing larger volumes of waste to be processed
- Reduces BOD (Biological Oxygen Demand), COD (Chemical Oxygen Demand) and TSS (Total Suspended Solids)

### #511 **DIGESTASE™ GTD 655** **GREASE TRAP DIGESTANT**

- Promotes fast digestion of FOG (fats, oil & grease)
- Reduces the frequency of manual trap cleaning
- Fast, odorless and safe on all plumbing materials

### #515 **DIGESTASE™ KFP 585** **KITCHEN & FOOD PROCESSING DIGESTANT**

- Breaks up high fiber food matter
- Eliminates odors, reduces sludge and lowers the BOD (Biological Oxygen Demand)
- Significantly reduces sewer surcharges, and prevents costly back-ups and overflows

### #516 **DIGESTASE™ FDE 750** **FARM DIGESTANT**

- Eliminates foul odors
- Increases manure pit capacity
- Increases fertilizer value of waste and converts it into a form readily absorbed by plants

### #520 **COMPOST DIGESTANT** **BIO-ACTIVE COMPOST DIGESTANT**

- Promotes fast and complete breakdown of yard waste in 8 to 12 weeks
- Creates a fine, nutrient-rich humus

### #522 **BIO-FLOW™ BLOCK** **SLOW DISSOLVING BACTERIAL BLOCK**

- Breaks down grease, fat, and sludge build-up while reducing strong odors
- Delivers continuous maintenance of grease traps, interceptors, lift stations, wet wells, and collections systems at less cost and effort
- Reduces labor time for dosage maintenance

## LIQUID BACTERIAL DIGESTANTS

### #526 **BIO TREAD™**

#### **BACTERIAL FLOOR CLEANER**

- Designed to clean grease, grime, spoiled food, vomit, urine, feces, mold and mildew, and other organic spills on kitchen and restroom floors

### #527 **BIO-BLAST™ HCB**

#### **REDUCES ODOR AND SLUDGE IN OILY WATERS**

- Degrades a variety of petroleum products including fuel oils, crude oil, coal tar, gasoline and diesel oil
- Designed specifically for petroleum contaminated wastewater, car and truck washes, marine bilges or oil reclamations pits

### #528 **BIO-ACTION®**

#### **DRAIN OPENER, MAINTAINER AND BUILD-UP REMOVER**



- Multi-cultured bacterial spores and stabilized active enzymes open drains overnight
- Thick liquid suspension pours through standing water
- Pleasant lemon-lime fragrance
- NSF Certified: L2

### #530 **ROYAL FLUSH™**

#### **PORTABLE TOILET TREATMENT**

- Attacks odors and waste at the molecular level
- Turns portable toilets into mini-waste treatment plants

### #534 **LIQUIDASE™ 250**

#### **GENERAL PURPOSE LIQUID DIGESTANT**

- Keeps drains and septic systems flowing freely
- Ideal for sewage treatment plants and other high volume areas

### #535 **LIVE MICRO™ 535**

### #536 **ULTRA LIVE MICRO™ CONCENTRATE** **SURFACE ODOR CONTROLLER**

- Biologically removes stains and odors from carpeting and furniture as well as hard surfaces
- Safe for use on water-washable surfaces
- **ULTRA LIVE MICRO™ CONCENTRATE** is 10x concentrated

### #542 **BIO-MAX OC™**

#### **MULTI-FUNCTIONAL RESTROOM CLEANER**

- Cleans and maintains drains and deodorizes restrooms
- Eliminates uric acid and other common restroom soils
- Fortified with a special odor-counteracting ingredient to suppress malodors
- Pleasant mint fragrance

### #543 **BIO-FLOW™**

### #546 **BIO-FLOW™ ULTRA**

#### **COMPLETE GREASE TRAP MAINTENANCE SYSTEM**

- Keeps grease traps and drain lines free from clogs and odors
- Special enzymes rapidly break down FOG (fats, oil & grease)
- Hardy bacterial spores resist chlorine, disinfectants and high water temperatures
- **BIO-FLOW™ ULTRA** is 10x concentrated



# BACTERIAL/ENZYME DIGESTANTS USAGE CHART

	#526	BIO TREAD™	#527	BIO-BLAST™ HCB	#528	BIO-ACTION®	#530	ROYAL FLUSH™	#534	LIQUIDASE™ 250	#535	LIVE MICRO™ 535	#536	ULTRA LIVE MICRO™ CONCENTRATE	#542	BIO-MAX OC™	#543	BIO-FLOW™	#546	BIO-FLOW™ ULTRA	#502	DIGESTASE™ APD 900	#510	DIGESTASE™ SDE 340	#511	DIGESTASE™ GTD 655	#515	DIGESTASE™ KFP 585	#516	DIGESTASE™ FDE 750	#520	COMPOST DIGESTANT	#522	BIO-FLOW™ BLOCK	#502	BIO-PAKS™
Odor Control							●		●		●		●		●		●		●				●				●							●		
Carpets and Upholstery											●		●																							
Floors and Surfaces		●									●		●		●																					
Drain Opener																							●					●								
Drain Maintenance						●																	●					●								
Septic System						●	●		●		●		●				●		●				●													●
Grease Trap Maintenance									●														●			●		●								●
Wastewater Treatment									●		●		●				●		●				●					●						●		●
Lift Stations									●													●	●											●		●
Lagoons									●														●					●		●						
Feed Lots																														●						
Portable and Pit Toilets							●															●														●
Petroleum Contamination			●																																	
Yard Waste																												●	●							
	LIQUID																				POWDER															

