



*“Solving Environmental Problems With Natural Products”*

**Product Data**  
**HISTOSOL OP-GRZBio**

**DESCRIPTION:**

**Histosol OP-GRZBio** is a ready-to-use liquid bacterial formulation specifically designed to provide improved waste degradation for commercial grease trap applications.

**Histosol OP-GRZBio** contains a synergistic blend of new Bacterial strains which have been scientifically developed (selectively adapted) to cope with difficult compounds and chemicals present in wastewater effluent. Unlike any other bio-formulation, **Histosol OP-GRZBio** contains bacterial strains which actually digest difficult and non-biodegradable compounds such as detergents, paper, oil, grease, hydrocarbons, phenols, etc.

**Histosol OP-GRZBio** bio-formulation provides exceptional results when utilized to accomplish rapid degradation of fats, oils, and grease in grease traps and septic systems, especially where chemical kills have occurred and for the continued maintenance of bio-systems to insure optimum performance.

**Histosol OP-GRZBio** formulation significantly improves the performance of septic tanks and grease traps. These cultures provide the best protection you can buy for any anaerobic application.

**FEATURES AND BENEFITS:**

- Digests difficult compounds which are toxic to naturally occurring bacteria or existing sewage bacteria.
- Provides rapid breakdown of difficult detergents, fats, oils, grease, tissue, hydrocarbons, etc.
- Cultures grow in either the presence or absence of oxygen.
- Long-term stability (1-2 years).
- Non-corrosive, non-pathogenic; safe to handle and store.
- Can be used as supplied.
- Each batch is tested and standardized for a high level of quality.
- Certified salmonella-free.

# Histosol OP-GRZBio

## Typical Characteristics

Biological	Physical
Bacterial strains	Appearance.....dark brown
• Protein digesting bacteria	Odor.....musty fragrance
• Starch digesting bacteria	Specific gravity .....1.04
• Cellulose digesting bacteria	pH..... Neutral
• Detergent digesting bacteria	Effective pH range.....5.0 – 9.8
• Fat, grease and oil digesting bacteria	Effective temp. range...40 - 145 F
Bacterial Count 400 billion/gal.	Standard packaging..... 2½ - 5 gallon
	Shelf life.....1-2 years

## Optimum Conditions for Use

Bacteria in Histosol OP-GRZBio perform within a pH range of 5.0 – 9.8 with the optimum near pH 7.0. Temperature affects the activity of the working solution and action increases with rising temperatures up to 145 F. No activity can be expected below 40 F. (5 C.)

## Storage and Handling

Storage.....store in a cool, dry place  
Handling.....avoid excessive inhalation  
Wash hands with warm, soapy water after handling

## Recommended Dosage Schedule

Area	Dosage	Frequency
Septic tanks	1 pint	weekly
Kitchen, bathroom, disposal drains	2 ounces	weekly
Commercial grease traps	16 ounces	daily

(Note: For commercial grease traps the recommendation is to “shock” the system with 2.5 gallons before implementing the daily maintenance program of 16 ounces per day.)

For problem system, double the recommended feed rate for the first two weeks.

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