



## Bacterial Formulation for Removal of Organic Material from Drain Lines and Non-Drain Areas

- ◆ Removes organic waste (“yogurt”) from drain lines and floor sinks
- ◆ Reduces noxious drain odors and improves flow in slow drains
- ◆ Designed to cling to the sides of drains and pipes
- ◆ Can be sprayed onto hard-to-access non-drain areas Safe for all plumbing and septic systems
- ◆ Biodegradable, non-toxic, non-caustic and free of pathogenic, gram negative bacteria

### Description

Dialysis clinics have long been plagued by the accumulation of organic waste in drains and floor sinks. This waste (often referred to as “yogurt”) is a combination of the proteinaceous by-products discharged in dialysate and a “film” of bacteria indigenous to clinic drains. It is unsightly, often odorous, and creates an unpleasant environment for both patients and staff. Clinics have tried using bleach, hot water, and “standard” drain cleaners to remove it, but none of these treatments are effective. In addition, bleach and caustic drain cleaners can be an irritant to sensitive patients.

**DrainGel™** is a professional strength microbial treatment that quickly and safely removes organic waste from drains and floor sinks. **DrainGel™** is safe for both patients and staff - it is biodegradable, non-toxic, and non-caustic. In addition, **DrainGel™** is tested to ensure it is free of any pathogenic, gram negative bacteria.

**DrainGel™** application is quick and easy. It can be poured directly into drains and floor sinks or applied using a sprayer bottle. Your patient’s comfort and trust is critical. The regular use of **DrainGel™** will help keep your clinic drains and floor sinks clean and free-flowing.

### Product Characteristics

Bacteria Count: >750 Billion CFU per gallon  
Bacteria Type: Blend of Bacilli Spores  
Appearance: Opaque, blue/green liquid  
Fragrance: Characteristic  
Stability: 2 years+ at 33°F to 120°F  
pH Value: 7.0 - 8.8  
Pathogens: Free of pathogenic, gram negative bacteria

### Performance Characteristics

Bacterial Pathways: Aerobic & Anaerobic  
pH Range: 4.0 – 11.0  
Temperature Range: 45°F to 120°F

### Storage and Handling

Store in cool, dry place. For handling see the “Precautionary Statements” on the product’s bottle label.

### Availability

- 32 Fl. Oz. (1 Quart) 946 ML Refillable Dispensing Bottles - 12 Per Case
- 128 Fl. Oz. (1 Gallon) - 3.79L - 4 Bottles Per Case
- 55 Gallon Drums

### Additional Information

[www.bio-systems.com](http://www.bio-systems.com)

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## DrainGel™ Treatment for Dialysis Clinics

The configuration of drains and drain lines vary significantly between dialysis clinics. Sanitization and cleaning protocols also vary. While **DrainGel™** will be effective regardless of the configuration or sanitization protocol, the following guidelines will insure optimal results.

The instructions below are general in nature and should be modified to the particular circumstances found in the clinic. In making these modifications, two basic principles should be followed:

- 1) Exposure of **DrainGel™** to sanitization agents, particularly strong chlorine bleaches, should be minimized. This can be accomplished by waiting several hours after using the sanitization agent before applying **DrainGel™**, or by rinsing the drains with water before applying **DrainGel™**.
- 2) Best results are obtained when **DrainGel™** is applied at the time of lowest drain use. Optimal results are obtained when **DrainGel™** is applied at the end of the day (after drains are no longer being used) and the evenings before the days the clinic is closed.



DrainGel™ Gallon, Quart, Spray Bottle

### Instructions for Use

#### PREPARATION:

1) Complete regular drain line sanitization protocol. If applying **DrainGel™** within four hours of protocol, pour 1-2 gallons of water into drain first, then begin “Start Up” application described below. (This is important because the microorganisms in **DrainGel™** may not be compatible with the sanitization agent used, particularly strong chlorine bleaches.)

2) For all applications, apply product at time of lowest drain use, ideally at end of day after the use of all cleaning and sanitization products has been completed.

#### START UP:

Add four ounces per day to each drain for 5-7 days. For floor sinks, attempt to coat sides of floor sink, the drain grate, and inside the drain itself (apply around edge of drain opening if possible). Apply **DrainGel™** until all reachable surfaces are wet. Ensure that a full 4 ounces has been applied to each drain.

#### FOR MAINTENANCE:

Apply four ounces per drain once or twice per week in the same manner described under “Start Up” above.