

InVade™

bio sanitation

InVade Bio Sanitation Treatment Protocol

The presence of chronic moisture and organic matter creates special challenges for sanitation in commercial facilities. If left unaddressed, these problems can result in nuisance at best, and threats to health and safety at worst. Food and garbage areas are the primary problem spots, but areas like public toilets and showers, and animal areas are also a challenge. Wash down and wet mopping tends to push food and other organic matter and moisture into cracks and crevices where it builds up, often making problems worse.

Sanitation in these facilities can be addressed most effectively and in a “green” manner with the InVade range of probiotic cleaners. These products utilize naturally occurring soil microbes to digest organic matter and eliminate odors. The premium blend includes microbes that digest fats, oils and grease (FOG), carbohydrates, proteins, cellulose and urea (to eliminate urine odor). Using the proven power of InVade Technology and methods described here, service companies can pursue bio-sanitation business with confidence.



CORE SYSTEM PRODUCTS

InVade technology **Bio Foam™**

InVade Bio Foam contains powerful microbes, foaming agent and great smelling natural citrus oil. InVade Bio Foam is diluted with water at a rate of 1 oz to a quart or 4 oz to a gallon, with the easy tip-n-measure bottle or gallon jug with pump top. The foam provides an extended contact time for the microbes to work.

- InVade Bio Foam should be applied liberally to all dirty areas other than food contact surfaces. Under and behind equipment are the most common areas to inspect. Drains should also be foamed.
- The foam should not be washed up - it should be left to slowly dissipate.

- Early mornings, or after close are the best times to apply - the product should be left undisturbed for as long as possible. No need to wash down.

For an initial complete clean out, typical restaurant kitchens should be budgeted at 1 to 2 hours of labor and 4 to 8 oz of Bio Foam concentrate (1 to 2 gallons diluted).

- Monthly foaming is ideal as a standard service in all types of commercial food accounts. Maintenance will require about half the time and material as the initial cleanout, as a rule of thumb.
- For best results, InVade Bio Foam should be used with the Foamer Simpson, or if a hose outlet is available, a hose-end foamer can be used to save time.

InVade technology **Bio Cleaner™**

InVade Bio Cleaner is a versatile, liquid cleaner containing microbes and citrus oil, as well as chemical cleaners. In accounts with lots of floor level problems, InVade Bio Cleaner should be sold to the client for regular use in their mop water or spray water (no other cleaners needed).

- For mopping, 4 oz of InVade Bio Cleaner should be used in the standard mop bucket (3-4 gallons).
- It can also be applied with a hose-end sprayer or power sprayer, at a rate of 1-2 oz per gallon of water.
- InVade Bio Cleaner may also be sprayed in the same manner as InVade Bio Foam, without the need for special foaming equipment (“poor man’s foaming”). It will typically take 2-3 treatments to be as effective as one initial foam treatment, but for maintenance, it will work well.

InVade technology **Bio Bullet™**

InVade Bio Bullets are solid blocks laden with a high concentration of powerful microbes that slowly dissolve and release the microbes as water runs over them. They are ideal for continuous treatment without equipment.

- 5 lb Bullets are perfect for grease traps, to reduce required pump outs and odors.
- 1 lb Bullets are ideal for small traps and interceptors, or for placing in larger rectangular collection drains.
- 100 gram “Minis” or 50 gram beverage tray “BT” Bullets can be put just about anywhere with chronic moisture – beverage fountain trays, condensation pans under ice machines, in or on top of smaller floor drains, and in urinals.

Core System Equipment

Foamer Simpson™ 5.0

- Ideal for Use with InVade Bio Foam, OutLAST PRO - or other foaming products
- Compact Size: 5.0 Liter (1.3 Gallon) Tank - For maximum portability
- 6.5 Foot Hose - Can reach farther without moving the tank

- **17 Inch Wand - Drains can be foamed while standing up. No tool change needed to spray surfaces and foam drains**
- **Angled Wand End Tip - Easier to spray underside of equipment**
- **Extra Wide Stability Base - Won't tip over when placed on surfaces**

Floor Level Treatment

Under Equipment

- **InVade Bio Foam should be applied under the entire surface of equipment being careful to avoid electrical outlets.**
- **Equipment should be pulled away from walls if possible before treatment.**
- **Equipment with chronic moisture flow such as ice machines is a frequent problem area.**

Grout, Cracks and Peeling Baseboards

- **InVade Bio Foam should be applied at the floor wall junction and around equipment legs.**
- **Regular use of InVade Bio Cleaner or Mop Clean is a must if there are cracks in tile or missing grout. The foaming required for monthly maintenance will be reduced, as most floor areas will be addressed with regular Bio Cleaner use. Black grime build-up in cracks, edges and grout lines will also diminish.**

Drains

- **Foamer Simpson 5.0 17" wand can be used to fill drains with foam with minimal bending over.**
- **InVade Bio Drain is a gelled formula that provides extended contact time for the microbes with the drain walls without the need for foaming equipment and it can be applied by the client.**
- **InVade Bio Bullets can be placed inside or on top of floor drains for ongoing treatment.**

Other Treatment Areas

Beverage Taps and Feed Lines

- **InVade Bio Foam is ideal for treating the sticky build-up on the outside of line bundles under taps.**
- **InVade Bio Drain is ideal for treating "sugar snake" in soda fountain drain lines.**
- **InVade Bio Bullet BTs or Minis can also be placed in drip trays for ongoing treatment.**

Stoves and Deep Fryers

- **Grease splatter buildup on the walls, sides, and under equipment should be foamed liberally.**
- **Daily use of InVade Bio Cleaner or InVade Mop Clean will eat grease buildup on the floor reducing slip and fall liability.**

Trash Receptacles

- **InVade Bio Foam should be applied to the inside and outside of trash cans.**
- **Dumpsters and pads should be foamed with InVade Bio Foam or sprayed with InVade**

Bathrooms – Odor Elimination

- **All bathroom fixtures such as toilets, urinals and drains should be foamed liberally.**
- **Spraying bathroom fixtures with InVade Bio Cleaner is effective for daily maintenance.**
- **InVade Bio Bullets make excellent urinal blocks.**

COMPLETE SYSTEM PRODUCTS

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Hot Spot™

The same highly effective InVade Bio Foam in a ready-to-use aerosol can.

- Ideal for drains, cracks, crevices and other areas or voids with organic build up.
- 360 degree valve with finger actuator/straw and a reusable 24” hose extension for easy applications (hose extensions are also sold separately).

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MopClean™

Pre-measured packets of all-in-one cleaner with microbes, citrus oil and chemical cleaners, perfect to clean and deodorize hard surfaces.

- Convenient 4 oz packets for daily use and easy application.
- 32 packets are included in each dispenser box for a one month supply.
- One packet may be diluted in a one quart spray bottle for spray applications.

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Bio Drain™

A specialized drain cleaner that uses natural microbes and citrus oil in a thickened formula that clings to the side of drains.

- Provides extended contact time for the microbes to eat build-up on drain walls.
- May also be used with power-sprayers, hose-end sprayers and mopping applications.

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Bio Zap™

A versatile, ready-to-use microbe-based liquid for quickly eliminating organic odors at the source on a multitude of surfaces.

- Ideal for carpets, walls and fabrics, may also be used in garbage receptacles and restrooms.
- Contains natural citrus oil for a light and fresh scent.

Other Applications

Animal Areas

- InVade Hot Spot or InVade Bio Zap are ideal for treating pet stains and messes on upholstery or carpet.
- InVade Bio Cleaner applied with a hose end sprayer is excellent for cleaning kennel areas.
- InVade Hot Spot can be sprayed into litter boxes under the litter to eliminate unpleasant smells.
- InVade Bio Zap can be fogged into voids and crawl spaces to eliminate animal odors, even skunk odor.
- InVade Bio Zap or InVade Bio Cleaner are great for neutralizing and loosening bird droppings.

Around the House

- InVade Bio Zap is ideal for treating smoke odors embedded in furniture and vehicle upholstery.
- InVade Hot Spot has a variety of household cleaning uses printed right on the can, perfect for garbage disposals, litter boxes, garbage cans and many other uses.

Other Equipment

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Power Dose™

Battery-operated, cartridge dosing system to continuously treat drain lines. Quick 30-day cartridge replacement.

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Mini Doser

Programmable Dosing Pump for continuous drain and trap treatment.

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Spray Doser

Programmable Sprayer for trash chutes, dumpsters and other larger areas.

Eating the Scum of the Earth™