

Recommended Cleaning Tools

a) **Mop Buckets**

Dual Mop Buckets are recommended. Dual buckets have a second bucket to minimize cross-contamination. With two buckets, you use fresh water in one to rinse mop heads before placing into your sanitizing/disinfecting solution. You should also use separate Mops and Buckets for Isolation wards.



b) **Microfiber Mop Heads**

These microfiber mop heads are highly efficient and washable (up to hundreds of times) - you should maintain several on hand. We suggest using BLUE Mops for common areas and RED Mops for Isolation wards to minimize cross-contamination. Microfiber mops are in some ways like Velcro on a stick. The microfiber material picks up dirt, grime, dust, hair, and microbes, far better than cotton or string mops, which just push debris around. This is through the dual action of clinginess and electrostatic charge.



c) **Scrub Brushes and Squeegees**

It is recommended that you have several of each in stock so you can clean and disinfect them throughout the day. You will need brushes to scrub walls and floors. Squeegees are used to remove or direct excess water or disinfecting solutions to a desired drain or vacuum system.



d) **Pooper Scoopers**

Needed for indoor and outdoor clean-up. Clean and disinfect your scoopers throughout the day.



e) **Microfiber Cloths and Mitts**

Microfiber cloths and mitts clean far better than normal cloth or paper towels. They do a much better job picking up dirt, grime, dust, hair, and microbes than do regular cloths or paper towels. Microfiber creates a static charge that attracts dust and debris, then once the debris is near the mitt or cloth, the microfiber holds it in place until you clean it off.



f) **Touchless Hand Sanitizers**

Human hands are a potential transmitter of disease in facilities. You should have hand sanitizers liberally placed throughout your facility (at every doorway) so your employees can frequently sanitize hands when moving from room-to-room. This practice reduces the transmission of harmful microbes from one animal to another. It is especially important that you utilize these "touchless" units in your isolation wards.



g) **Sinks to wash Hands "Washing Hands is Critical"**

- Use soap to a rich lather
- Scrub every surface of both hands for at least 20 seconds
- Rinse with warm water
- DRY – for 10 seconds with a paper towel for each hand



h) **Spray Bottles with Preprinted Labels**

Chemical solutions being used in your facility need to be labeled when they are not in their original container (OSHA regulation). You don't want to mess with OSHA.



i) **Brooms/Brushes and Dust Pans**

Rubber Brooms are a favorite in many types of animal care facilities, especially with groomers and day care facilities. The rubber broom works great picking up hair on wet floors.



j) **Ratio Sprayers**

These sprayers are great for indoor/outdoor areas using garden hoses. Able to use sprayer for multiple cleaners and disinfectants. **(At separate times)**



k) **Vacuums**

Vacuums with a HEPA filter are recommended. Your vacuum should also be a wet/dry vacuum.



l) **Professional-Grade Washer/Dryer**

We recommend the Miele Professional Product Line. The Miele Professional line of Washers and Dryers are designed to operate 40 hours a week for 13-15 years (they last much longer than traditional machines, thus saving you money in the long run). Plus, these machines give you the ability to sanitize your washables chemically-free in water at 200+ degrees F. Miele is only brand having this highly valuable feature. Call for info (800) 222-5537.



m) **Chemical Mixing Stations**

This ratio mixing station is designed to mix your chemicals (disinfectants, odor control products, glass cleaners, degreasers etc.), to the desired ratio your solution requires for filling your spray bottles and mop buckets. Ratio Mixing stations are a huge time saver for your employees, and a great Money Saver for owners. Our mixers will give you fast/accurate dilutions every time.



n) **Ratio Dispensing System "Hydro Clean II"**

The Hydro Clean II dispensing station is designed to mix and dispense your solutions to the desired ratio the same way every time. It will deliver properly mixed product to a hose (up to 50' long) with a multi-gun sprayer at the end of the hose. This way you can foam, spray, or rinse any area within 50' of your mixing station. There are other systems available, but **DO NOT use a high-pressure** spray system (NO Power Washer). High pressure spraying systems can do more harm than good. The powerful spray will aerosolize microbes, spreading more germs, where a low-pressure foam sprayer and scrub brush will do a much better job (and won't aerosolize microbes).



o) **Floor Scrubbers**

If you want a great way to quickly and easily clean flooring, long runs or large play areas, then a floor scrubber is the way to go. These machines scrub and vacuum up debris and excess solution in one pass. The Pacific floor scrubber is an orbital scrubber that can fit into corners and doesn't splash solution all over walls. You can use most cleaners/disinfectants with these machines, including Aqueous Ozone.



p) **Carpet Extractors**

Not many animal care facilities have carpet in their facility, but if you do, use of a carpet extractor for cleaning is a must. Carpet extractors also work wonderfully on artificial Turf!



q) **Floor Mats**

The Andersen Company recommends use of a three-mat system. The three-mat system will trap 70%-80% of all debris and moisture from entering a facility: (1) scraper mat - to trap large particles at entrances, (2) scraper/wiper mat - placed inside doorways, and (3) a wiper mat following the scraper/wiper mat to trap the majority of remaining debris. We also recommend logo mats to enhance facility appearances, and message mats to create identity clarity throughout your facility (isolation ward, cat ward, etc.).



r) **ATP Sanitation Meter - Hygiena SystemSURE Plus**

Adenosine Triphosphate (ATP) monitoring is an effective measure of surface sanitation effectiveness. This palm-sized luminometer is easy-to-use, offers long lasting durability, and is extremely sensitive and accurate. The efficacy of cleaning procedures and the hygienic status of surfaces can be quickly verified using the SystemSURE Plus ATP System. Results can be recorded and managed with the included SureTrend software. It is used by leading blue chip companies, as well as small and mid-sized enterprises in a multitude of industries ranging from food & beverage, healthcare, animal care, water, janitorial, and life sciences.



s) **Lotus PRO High Capacity Aqueous Ozone Generator with Stabilizer**

The Lotus PRO chemical-free cleaning system turns ordinary tap water into Aqueous Ozone - a powerful natural cleaner, stain remover, deodorizer, and sanitizer. Aqueous Ozone is made on-demand with continuous flow for mop buckets, spray applicators, carpet extractors, and automatic scrubbers - killing germs while cleaning. It provides residue-free performance for a longer lasting clean and low slippage on even the smoothest floors. Safe on natural wood and stone. Floors stay cleaner, longer with no stripping. 50% more powerful than chlorine and 3,000 times faster killing microorganisms (and it's GREEN).



t) **Mobile Cart**

Mobile carts are a great addition for those hard to reach kennels, bathrooms, play areas etc. that aren't near a hose or wash station. These Mobile carts usually carry between 8 to 16 gallons of water with a mixing station on board and room to carry two, gallon bottles of cleaning solution. Mix and dispense your chemical solutions with ease.



u) **Synthetic Vinyl Gloves**

Disposable Synthetic Powder-Free Gloves. These are a great tool to have on-hand for those days you just don't want to get your hands dirty, and/ or to reduce disease transmission.



Cleaning /Disinfecting Chemicals

Cleaning is 90% of the job of a robust sanitation program, therefore the more frequently and the better you clean, the better your facility will look, smell, and be germ-free. Therefore, remember to clean, clean, clean, and make sure your disinfectants and cleaning products are the right fit for your facility.

1) Disinfectants

We recommend a good **Broad Spectrum Germicidal/Deodorant/Disinfectant, like our KennelSol®**. Your Disinfectant should have a wide range of activity, with a parvo claim. You want to make sure your solution is cost effective, easy to use, works as a one-step cleaner/disinfectant, is non-corrosive, easy to mix/use, and safe for you and your pets. KennelSol mixes at 2 ounces per gallon of water for everyday cleaning, and 8 ounces per gallon for parvo.



2) Cleaners/Odor Control

We recommend having an odor control/cleaner that will remove debris common to animal care facilities (urine, feces, vomit, blood, and animal body fats) that is not just a cover up to mask odors. **OdorPet®** is a biologic cleaner and odor eliminator that can be used on all surfaces as frequently as needed. It is totally green and biodegradable. OdorPet will start to breakdown debris immediately (and continues working), reducing debris into CO₂ and water. This makes sanitizing and disinfectant much easier.



3) Air Purification System

We recommend **KennelSol APS (Air Purification System)**. Our APS system is a Chlorine Dioxide product that produces a safe amount of ClO₂ gas that will remove unwanted odors better than anything else available. Chlorine dioxide is also widely recognized as being a highly effective biocide with superior efficacy against viruses, spore forming bacteria, and fungi, as well as protozoan parasites like giardia and cryptosporidium (though we have not labeled it for this purpose).



4) Laundry Detergents

LaundraPet® is a 3x premium pet laundry detergent. Designed for the environment, some of the purest cleaning ingredients available to meet EPA green standards are used to maintain safety. **LaundraPet** is formulated with non-soap surfactants that provide more than three times the cleaning power compared to conventional laundry detergents. It will effectively remove animal odors and heavy soils. Use for pet bedding, blankets, towels, scrubs, uniforms, grooming apparel, etc. Perfectly safe for use around animals. HE washers 1 ounce per HE load, and 2 ounces per regular load.



5) Degreasers

Disinfectants and Odor control products are great, BUT! There will be a time and a place where you will need more power to get rid of unwanted dirt, grime and oils off your walls, floors, tables etc. Our Neutral Citrus Degreaser can be diluted to your specific needs. For those heavy cleaning jobs.



6) **Drain Maintenance Products**

We recommend our **Alpha Bio-Drain** to keep your drains flowing clear and odor free. If you have drains in your animal care facility, then you will not want to be without Alpha Bio-Drain. Formulated for veterinary clinics and animal care facilities, Alpha Bio-Drain acts within minutes to eliminate odors through its patent-pending powerful odor counteractant. And it continues working as its fortified enzymes, grease cutting surfactants and intelligent stabilized enzyme-producing bacterial spores work together to open and maintain drains. It insures the rapid breakdown of proteins, carbohydrates, cellulose (hair) and fats (grease). Leaving your drain clean, clear, and smelling fresh.



7) **Liquid Sterilizer**

YGIENE (**Stericide**) is like having an autoclave available in your facility, but in liquid form. We believe every facility in the Country should have **Stericide** (formally known as YGIENE) on hand in case of an outbreak that requires more peace-of-mind than that afforded by routine disinfectants. Stericide will sterilize hard-nonporous surfaces in twenty minutes. Leaving surfaces 100% germ-free, killing all forms of microbial life in 20 minutes (and it's environmentally friendly and completely safe once dried).



Recommended Cleaning Procedure for Pet Enclosures



Recommended Chemicals - (KennelSol, OdorPet, LaundraPet, Steramine)

Tools needed to clean/disinfect facility/enclosures:

- Hose sprayer/applicator with ratio spray gun
 - Brush and/or mop and mop bucket
 - Squeegee
 - Microfiber cloths
 - Microfiber towels
1. First remove animals from enclosures you're about to clean. Pets should never be left in areas being cleaned. Place pets in a clean enclosure, or a holding area until their enclosure is clean and dry.
 2. Remove pet food and water bowls, blankets, bedding, toys etc.
 3. Wash bowls in a good sanitizing solution (like Steramine), or use a dishwasher with HIGH Temp setting. You should also wash blankets and bedding, or add clean blankets and bedding.
 4. Scoop up all solid waste.
 5. Use **KennelSol**® properly diluted (2 ounces per gallon for routine disinfection, or 8 ounces per gallon for canine parvovirus). Soak the run/enclosure from top to bottom. Once walls and floors of the enclosure are soaked, start scrubbing walls at the tallest point down to the lowest point. Scrub all the way down to the floor and continue scrubbing flooring. Wipe and/or squeegee walls and flooring so you pick up any small particles that have come loose while scrubbing and discard them into waste receptacle. If you have floor drains, you can squeegee excess water down the drains. If you do not have floor drains, squeegee excess water into puddles and vacuum up excess with a wet/dry vacuum.
 6. For chain link fencing, be sure to soak and scrub fencing to ensure removal of debris that might be stuck in the fencing.
 7. Once enclosures have been scrubbed clean and all debris has been picked up, spray a fresh solution of KennelSol from the top of the enclosure down to the flooring. Make sure to apply enough solution so walls and flooring stay damp for at least 10 minutes. If flooring is still wet after 10 minutes of air drying, wipe up excess solution and dry thoroughly before returning pets to the enclosure. Remember, **NEVER LEAVE A PET IN WET CAGE!**
 8. Once an enclosure is dry and sanitized/disinfected, replace cleaned pet bowls with fresh food and water. Replace cleaned/sanitized bedding and toys.
 9. Bring pet back to cleaned, **DRY**, enclosure.
 10. If Odors continue after cleaning and disinfection, you should consider use, as needed, of an Odor control product like OdorPet®.
 11. PLEASE NOTE - **OdorPet is NOT a disinfectant**. It is a Cleaner and Odor Eliminator. OdorPet is a Bio-active formulation for immediate and long-term odor control that makes cleaning easier.
 12. We recommend Using OdorPet as a deep-cleaner once weekly or every two weeks, depending on how much traffic goes through your facility. We recommend you do this at the end of the day, using OdorPet at a ratio of 1 part OdorPet to 4 parts water. Let air dry overnight and the next day disinfect everything with KennelSol.



Recommended Drain Cleaning Program



As a natural additive to sanitation programs, Alpha Bio-Drain will help to safely maintain systems when disinfectants are routinely used for cleaning. At only 2 oz. per drain once every two weeks, Alpha Bio-Drain is an economical solution for keeping your drains odor free and free flowing. If you have drains in your animal care facility, then you will not want to be without Alpha Bio-Drain. Formulated for veterinary clinics and animal care facilities alike, Alpha Bio-Drain acts within minutes to eliminate odors through its patent-pending powerful odor counteractants. And it continues working as its fortified enzymes, grease cutting surfactants, and intelligent stabilized enzyme producing bacterial spores work together to open and maintain drains. It insures the rapid breakdown of proteins, carbohydrates, cellulose (hair), and fats (grease).

Air Purification /HVAC Maintenance



KennelSol APS products produce ClO_2 gas (chlorine dioxide). When used, gas widely penetrates facilities and effectively seeks out areas often overlooked by hard surface disinfectants. This is especially important in HVAC systems that control the flow of air in a facility. It is also especially important in hard-to-reach areas and in areas where porous surfaces, chain link fencing, cracks, crevices, and other surfaces are often overlooked in a routine disinfecting regimen. Chlorine dioxide has been widely recognized in many studies as being a highly effective biocide with superior efficacy against viruses, spore forming bacteria, and fungi, as well as protozoan parasites like giardia and cryptosporidium. It was the principal agent of choice used by the US Government in the decontamination of buildings after the 2001 Anthrax attacks. ClO_2 has also been shown to be an effective agent at combating airborne pathogens at concentrations well below permissible OSHA human exposure levels and is therefore considered by numerous studies to be a useful preventative against various airborne pathogens. In addition, ClO_2 has been shown to have synergistic effects when used in combination with disinfecting agents, enhancing overall effectiveness of disinfecting regimens. Unlike Chlorine, ClO_2 does not adversely react with organic compounds and as a result, does not produce unwanted carcinogenic volatile organic compounds (V.O.C.s) and trihalomines. In fact, instead of combining with the aromatic rings of organic compounds, ClO_2 breaks these rings apart reducing levels of chlorinated organics. This makes ClO_2 use environmentally sparing. Also, because ClO_2 does not react or combine with organic compounds, much more of it remains available to do its job. KennelSol APS products are biodegradable, decomposing in sunlight and heat into nothing more than salt. Because ClO_2 breaks down the aromatic rings of various organic compounds, it makes it a superior odor eliminator by destroying odors at their source. It is effective on all animal associated odors like feces, urine, and vomitus, as well on other unwanted odors like mold, mildew, skunk, and even smoke.



Spot Clean Throughout the Day

There are a few ways to deal with accidents throughout the workday. But before we can recommend how to deal with them, here are a few things to think about beforehand. The first thing to think about is where did the accident take place, was it in a lobby, kennel, play area, on artificial turf, real grass, or was it on pea gravel?

Let's start with the Lobby

The lobby of your clinic or the drop off area of your facility is a very important place. This is where customers will be forming first impressions of your business. If customers enter your facility and see feces, urine, dirt & debris on a floor, this won't make a very good impression. Make sure your staff is immediately cleaning up all accidents in any customer areas on an ongoing basis. As for how to clean accidents, first remove as much of the urine as you can with a mop or disposable cloths, and pick up all feces and properly dispose of it in a designated waste receptacle. Once you've removed all the mess, we recommend washing the area with a mop saturated in a disinfectant solution (KennelSol). If you do not have a mop bucket handy, a spray bottle with KennelSol and a microfiber cloth will do the job just as well. Make sure you leave the area damp for 10 Minutes. You should also make sure the person cleaning the mess washes their hands (if not wearing disposable gloves) after they're done cleaning.

Accidents in Cages and Kennels

Cage and Kennel accidents should also be cleaned up right away as well. We know they shouldn't be doing anything in their kennel, but that's why they are called accidents. When accidents happen in a pet's enclosure, wipe up liquids and pick up messes. Then, wash the floor with a good safe cleaner for your guest's comfort. Once the kennel or cage is vacant, you should always give it a good cleaning and disinfection before the next or the same guest enters the enclosure. Employee should wash hands or wear disposable gloves.

The Play Area

Indoor play areas should be made of a hard-non-porous surface so the area is easy to clean and disinfect. When accidents happen in the play area, you should follow the same spot cleaning protocol as in every other location of your facility. Pick it up messes ASAP and clean and disinfect the area. Play areas should have a mop bucket with a fresh clean mixture of disinfectant in the area and ready to clean up messes (*keep pets away from direct access to these solutions*). You should also have poop bags or a pooper-scooper handy to pick up messes before you disinfect the area. Play areas are a great place for a double mop bucket. Double-sided buckets are great for holding warm water in one side, and a disinfectant solution on the other side. So, the protocol for cleaning would be: (1) Pick up messes, (2) clean area with warm water, (3) wash area with disinfectant solution, and (4) let dry.

Pea Gravel

Outdoor play areas or walkways with pea gravel are tough places to disinfect. This is because gravel is not a hard, non-porous surface. Therefore, you can't guarantee that a disinfectant will stay in contact with surfaces sufficiently to kill unwanted microorganisms. So, for outdoor situations like pea gravel, we recommend these areas get washed down with a cleaner/odor control product, like OdorPet. By washing the area with a cleaner/odor control product, you will keep the area clean and smelling fresh. Remember, cleaning is 90% of the battle of disease control. In most situations, you can count on mother nature to do the rest.

Artificial Turf

Artificial turf is like Pea gravel in that it's a porous surface, so there's no way to guarantee disinfectants will reach all surfaces sufficiently to provide reliable disinfection. For spot treating turf, we would recommend using a hose with a cleaner/odor control product like OdorPet. Apply OdorPet with a hose and a quart sprayer, or use a spray applicator (Hydro Clean II system). For spot cleaning: (1) Remove fecal debris, (2) wipe up as much urine as possible, and (3) rinse area with water/OdorPet mixture to breakdown remaining debris, turning it into nothing more than CO₂ and water. Carpet extractors are also an excellent consideration for cleaning turf grass (we recommend EDIC extractors).

