

SpectraSan 24™

Application Procedures by Market

Hospitals & Healthcare Facilities

Nursing Stations:	
Counters, Reception Area, & Carts	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on counters. 2. Allow 2 minutes of dwell time. 3. Wipe with a microfiber cloth.
Medical Charts	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on a microfiber cloth. 2. Allow 2 minutes of dwell time. 3. Wipe the surfaces.
Computer Keyboards	<ol style="list-style-type: none"> 1. Keyboard covers can be quickly and easily wiped clean and disinfected. If the facility does not have computer covers available, the keyboards should be wiped daily with a solution of SpectraSan 24 liberally sprayed on a microfiber cloth and wiped over the keys.
Fax & Copy Machine Buttons/Keyboards	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on a microfiber cloth. 2. Allow 2 minutes of dwell time. 3. Wipe the surfaces.
MRI/PET/CSCAN/Radiology	<ol style="list-style-type: none"> 1. Inspect all components that apply for dirt, blood, residue, fluids, body oils or sweat marks 2. Remove these barriers using a microfiber cloth with a mild cleaner appropriate to the surface. These surfaces do not, generally, have to be completely dry, depending on the cleaner and surface material. 3. Using a <i>different</i> microfiber cloth, spray SpectraSan 24 on the microfiber cloth rather than each component. 4. Wipe down components and touch points with SpectraSan 24 as follows, noting that the surfaces have been made wet as



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MRI/PET/CSCAN/Radiology (cont)	<p>you go.</p> <ul style="list-style-type: none">• Door Handle and any <i>touch points</i> used to steady or position the patient.• Table Pads, top and side surfaces and table rails (that keep pads in place).• Positioning Pads, top and sides that were used during the last scan. <p>5. Please replace any pads that are torn or exhibit open seams; we recommend Patient Comfort Systems pads for many reasons, including their longer lasting covers, featuring a permanent antimicrobial agent that prevent the growth of germs, including MRSA. Torn pad, ripped or open seams on covers will harbor germs and infectious viruses. Pad foam cannot be effectively disinfected.</p> <p>6. Spray SpectraSan 24 on a microfiber cloth and clean the head or other specialty coils that were used in the last scan; remove any tape residue as well as sound system headset and additional patient touch surfaces.</p> <p>7. Spray SpectraSan 24 on a microfiber safety wand pad (<i>We recommend using a Butler MR Safety Wand</i>), 5 to 7 sprays should be all that is needed. Wipe down the magnet bore,</p>
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<p>MRI/PET/CSCAN/Radiology (cont)</p>	<p>trough and opening surfaces with the wand, noticing that they are wet as you go. Although most disinfectants will require you to wait 10 minutes for the surfaces to dry, SpectraSan 24 only requires 2 minutes of contact time.</p> <p>8. Replace your supplies. In only 2 minutes, all clean surfaces that you have wet down with SpectraSan 24 will be germ, bacteria, virus and fungus free. SpectraSan 24 keeps killing for 24 hours after application.</p> <p>Prepare, position, and begin the scanning of the next patient.</p>
<p>Patient Rooms:</p>	
<p>Light Switches</p>	<ol style="list-style-type: none"> 1. Spray SpectraSan 24 on a microfiber cloth and wet wipe the surface. 2. You may wipe it dry after 2 minutes or allow it to air dry.
<p>Toilets & Fixtures</p>	<ol style="list-style-type: none"> 1. After thoroughly cleaning all interior and exterior surfaces of the toilet with a recommended toilet bowl cleaner, wipe dry or allow to air dry. 2. Spray SpectraSan 24 on all hard surfaces, including the interior and exterior of bowl, flush handle, toilet seat, and all other touch surfaces located in the restroom. 3. Allow 2 minutes of dwell time and then wipe the flush handle and toilet seat with a microfiber cloth. Allow the interior and exterior of bowl to air dry.



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TV Remote-Bed Controller-Call Button	<ol style="list-style-type: none"> 1. Spray SpectraSan 24 on a microfiber cloth and wet wipe all buttons, sides, front and back of unit. 2. Allow 2 minutes of dwell time. 3. Wipe dry with a microfiber cloth.
Food/Patient Trays	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on surfaces. 2. Allow 2 minutes of dwell time. 3. Wipe with a microfiber cloth.
Blood Pressure Cuffs	Spray SpectraSan 24 on microfiber cloth and wipe surface.
Basin, Bedpan, Portable Urinal	Place in CSR bins in soiled utility room.
Blood & Body Fluids	<ol style="list-style-type: none"> 1. Visible or gross soil and/or blood and body fluid spills must be removed prior to cleaning. <i>[See Recommended Procedures below, for Cleaning & Disinfecting a Blood or Body Fluid Spill.]</i>
Furniture, Bed Rails, Night Table, Basin Door Knobs, IV Poles, and other Patient Medical Equipment	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on counters. 2. Allow 2 minutes of dwell time. 3. Wipe with a microfiber cloth.
Recommended Procedures for Cleaning and Disinfecting A Blood and Body Fluid Spill	<p><i>Appropriate personal protective equipment should be worn for cleaning up a body fluid spill. Gloves should be worn during the cleaning and disinfecting procedures. If the possibility of splashing exists, the worker should wear a face shield and gown. For large spills, overalls, gowns or aprons as well as boots or protective shoe covers should be worn. Personal protective equipment should be changed if torn or soiled, and always removed before leaving the location of</i></p>



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	<i>the spill, and then wash hands.</i>
<p>+Waiting Rooms: Hospital/Physician/Dental/Out -Patient Surgery/Ambulatory</p> <p>CCWR</p> <p>NCCU</p> <p>CICU</p> <p>CTIC</p> <p>CVICU</p> <p>STICU</p> <p>MICU</p> <p>NICU</p> <p>PICU</p> <p>MRI</p> <p>OR</p> <p>PACU</p>	<p>SpectraSan 24 is a “<i>Department Specific Hospital Disinfectant.</i>” Key areas that can benefit from this non-toxic, broad spectrum, 24-hour residual efficacy disinfectant are:</p> <p><i>Critical Care Waiting Room</i></p> <p><i>Neuro Critical Care Unit</i></p> <p><i>Cardiac Intensive Care Unit</i></p> <p><i>Cardiothoracic Intensive Care Unit</i></p> <p><i>Cardiovascular Intensive Care Unit</i></p> <p><i>Surgical Trauma Intensive Care Unit</i></p> <p><i>Medical Intensive Care Unit</i></p> <p><i>Neonatal Intensive Care Unit</i></p> <p><i>Pediatric Intensive Care Unit</i></p> <p><i>Magnetic Resonance Imaging/Radiology</i></p> <p><i>Operating Room</i></p> <p><i>Post Anesthesia Care Unit</i></p>
Door Knobs	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on surfaces. 2. Allow 2 minutes of dwell time. 3. Wipe dry with a microfiber cloth.
Reception Counter	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on the reception area counter, sign-in pens, and clip boards.



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	<ol style="list-style-type: none"> 2. Allow 2 minutes of contact time. 3. Wipe with a microfiber cloth. As an option, you may also wet wipe these surfaces by spraying SpectraSan 24 onto a microfiber cloth, wipe surfaces, and allow to air dry.
Plastic Magazine Covers	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on plastic covers. 2. Allow 2 minutes of dwell time on surface. 3. Wipe with a microfiber cloth.
Chairs, Arm Rests, & Hand Rails	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on a microfiber cloth or onto surface. 2. Allow 2 minutes of dwell time on surface. 3. Wipe surface. (<i>Pay close attention to the arm rests top, sides, and bottom</i>).
TV Remote	<ol style="list-style-type: none"> 1. Spray SpectraSan 24 on a microfiber cloth and wet wipe all buttons, sides, front and back of unit. 2. Allow 2 minutes of dwell time. 3. Wipe dry with a microfiber cloth.
Children's Toys & Play Areas	<ol style="list-style-type: none"> 1. Plastic toys should be collected and washed in an automatic dishwasher at least once per week using a strong dishwashing detergent with bleach. 2. On a daily basis – mist the toys with SpectraSan 24 or wet wipe them using a microfiber cloth. 3. Allow 2 minutes of contact time 4. Wipe dry.
Administrative and Public Areas	



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Elevator Buttons	<ol style="list-style-type: none"> 1. Mist or wet wipe SpectraSan 24 on the buttons. 2. Allow 2 minutes of dwell time. 3. Wipe with a microfiber cloth.
Door Handles/Knobs	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on surfaces. 2. Allow 2 minutes dwell time. 3. Wipe with a microfiber cloth
Stair & Escalator Rails	<ol style="list-style-type: none"> 1. Mist the rubber rails with SpectraSan 24. 2. Allow 2 minutes of dwell time. 3. Wipe with a microfiber cloth.
Telephones, Fax/Copy Buttons	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on surfaces. 2. Allow 2 minutes of dwell time. 3. Wipe with a microfiber cloth.
Staplers and Shared Office Equipment	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on surfaces. 2. Allow 2 minutes of dwell time. 3. Wipe with a microfiber cloth.
Vending Machine Buttons, Coffee Machine	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on surfaces. 2. Allow 2 minutes of dwell time. 3. Wipe with a microfiber cloth.
Restrooms	<ol style="list-style-type: none"> 1. Thoroughly clean all sinks, fixtures, and countertops with a mild detergent or general all-purpose cleaner. 2. Rinse soap scum, hair and other organic matter down the drain and wipe dry. 3. Spray or wet wipe SpectraSan 24 on all hard surfaces and fixtures, and allow 2 minutes of dwell time. 4. Wipe with a microfiber cloth. 5. Toilet bowls should be scrubbed daily with a mild, non-acidic toilet bowl cleaner. Thoroughly clean around the interior of the bowl and under the rim. Use a toilet bowl brush on the interior of the bowl and



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	<p>on the hard to reach surfaces.</p> <ol style="list-style-type: none"> 6. Allow the toilet bowl cleaner to sit in the bowl for 10 minutes (or according to the product label instructions) and then flush. 7. Clean the exterior of the toilet with a mild detergent or all-purpose cleaner. Wipe the exterior surfaces dry. 8. Spray the exterior with SpectraSan 24; allow 2 minutes of dwell time. 9. Wipe with a microfiber cloth
Reception Counter, Door Knobs, Light Switches, Pens, Clipboards, TV Remote	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on surfaces. 2. Allow 2 minutes of dwell time. 3. Wipe with a microfiber cloth.
Plastic Magazine Covers	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on plastic covers. 2. Allow 2 minutes of dwell time on surface. 3. Wipe with a microfiber cloth.
Chairs, Arm Rests, and Hand Rails	<ol style="list-style-type: none"> 1. Mist SpectraSan 24 on a microfiber cloth or onto surface. 2. Allow 2 minutes of dwell time on surface. 3. Wipe surface. (<i>Pay close attention to the arm rests top, sides, and bottom</i>).

Helpful Application Hints

There a number of ways to properly disinfect a hard, non-porous surface so that it no longer represents a potential risk for the transmission of communicable and pathogenic diseases. Those assigned the responsibility of disinfecting hard surfaces in a given facility need to remember that a little common sense goes a long way.

First, make sure the surface has been properly cleaned and rinsed before using **SpectraSan 24** or any other disinfectant. The silver dihydrogen citrate molecule contained in **SpectraSan 24** needs to pierce the cell wall of the microorganism, work its way into the intercellular wall of the organism in an effort to disrupt and destroy the microorganism's DNA. In order to accomplish this, the SDC molecule



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cannot spend all of its energy trying to fight its way through layers of dirt, grease, grime, scum, and other contaminants. Therefore, remember rule # 1. Always clean the surface *before* applying **SpectraSan 24** or any other disinfectant and/or sanitizer.

A little **SpectraSan 24** goes a long way. Using more product is not better; in fact, it can actually lead to more problems. One 32 oz bottle of **SpectraSan 24** will cover approximately 900-1000 square feet, and fogging or misting **SpectraSan 24** through a Fogmaster unit (depending on the micron/misting setting) will yield nearly 2000-4000 square feet of coverage for the same 32 ounces of **SpectraSan 24**.

Remember to mist a very light coating of **SpectraSan 24** on the surface being disinfected. Allow 2-minutes of contact or dwell time and then wipe with a microfiber cloth. If the surface you have treated is tacky or sticky, chances are you used too much product or did not sufficiently wipe the surface after the 2 minutes.

Why wait 2 minutes?

SpectraSan 24 kills many germs 20 times faster than traditional disinfectants. Traditional disinfectants **MUST** remain wet on the surface for anywhere from 5-10 minutes to kill the germs. Unfortunately, most liquid sanitizers and disinfectants evaporate within 2-3 minutes. Read the product label; if the instructions say the surface must remain wet for 5-10 minutes, but it dries sooner, the surface is not disinfected and product **MUST** be reapplied. **SpectraSan 24** kills many germs in anywhere from 30 seconds to 2 minutes.

Why Use a Microfiber Cloth?

Microfiber cloths are more versatile to use than cotton material and blends. You can use a microfiber cloth dry for dusting or polishing. Use damp/wet (*just a little water needed*) for cleaning mirrors, windows, counters, stovetops etc. Use the cloth to remove dust, stains, spots, grease, fingerprints, odor causing bacteria and much more! It is especially good to use for disinfecting hard surfaces because you actually need less product to achieve efficacious results and, unlike cotton materials or 100% polyester blend, a microfiber cloth does not leave behind pills, strands, and cotton residue that can act as harborage points for bacteria and germs.

What is Microfiber made of?

Microfiber is a blend of polyester and polyamide. It is constructed in a blend of either 80/20 or 70/30 ratio of polyester/polyamideams.

Where can I use them?

You can use microfiber cloths anywhere! Kitchens, bathrooms, cars, windows, mirrors, counters, eye glasses, sinks, showers, furniture, TVs, bathtubs and tables. The list of uses is endless. They are safe for virtually every surface and will never scratch or harm anything you use them on.



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What surfaces are safe for using Microfiber Cloths?

Microfiber cloths are safe for virtually every surface and will never scratch or harm anything you use them on. Use on tile, linoleum, glass, wood, ceramic, marble, granite, plastic, vinyl, leather, and much more.

Can I use a Chemical Cleaner or Disinfectant with Microfiber Cloths?

Microfiber cloths remove 98-99% of all dirt (not bacteria) with just water. However, are ideal for use when sanitizing and disinfecting hard surfaces because they do a more effective job, require less product, remain clean longer, and do not inhibit the disinfection qualities of the product.

How do I clean my Microfiber Cloths?

Wash with warm, soapy water and rinse well. The warm water opens up the microfibers, allowing them to release the locked in dirt. You may also put the cloths in the washing machine and then dry them in the dryer on low. **DO NOT USE** fabric softeners of any kind as the chemicals clog the microfibers, making them less effective. **DO NOT USE** bleach either because it corrodes the fibers over time, making them less effective. **DO NOT IRON**. The typical microfiber cloth can be laundered up to 500 times before needing to be replaced, which makes them extremely economical to use.

Maximizing the Effectiveness of SpectraSan 24

A Clean Surface

Soil can chemically deactivate a disinfectant as well as physically protect the microbial cell from direct contact with the product. The surface must be cleaned and thoroughly rinsed – made free of soil and residual detergent – which could also chemically deactivate the disinfectant.

Intimate Contact

In order for SpectraSan 24 to be effective, it must come into direct contact with the cell wall of the organism. Harborages such as pits, crevices, and cracks as well as soil residue can prevent this intimate contact from occurring.

Contact Time is an Important Factor

Cover the surface so that it is wet. Normally, the longer the dwell time, the more effective the kill. Please remember, though, that dead is dead. If we recommend a 2-minute contact time, waiting 15 minutes is not going to make the organism any more dead than it already is after 2 minutes.



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Type of Microorganisms

It is important to remember that not all sanitizers and disinfectants are equally effective against the same microorganisms. Interestingly, cells in the spore or biofilm state are much more resistant than cells in the vegetative and freely suspended state. It is essential to know what you are fighting and understand that not all germicides are broad spectrum. **SpectraSan 24**, for example, requires 30 seconds to kill most standard indicator bacterium and 2 minutes to kill MRSA and VRE, 3 minutes to kill Rhinovirus and SARS, and only 1 minute to kill H1N1 (Swine Flu). Many disinfectants and sanitizers currently used in the market require 10 minutes to kill the aforementioned pathogens. When in doubt, read the label. The EPA requires all kill claims to be clearly visible on the product label. A simple rule to remember is, “Facts are facts – if it’s not on the label, it’s not a fact!”

