



CLEANING & DISINFECTION METHODOLOGY RECOMMENDATIONS



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Purpose: To safely and effectively clean and disinfect contaminated areas. Follow two individual steps as it's important to clean before disinfecting because organic matter and dirt can reduce the ability of disinfectants to kill germs or viruses.

CLEANING

Cleaning means to remove germs, dirt, and organic matter from surfaces and objects.

- Cleaning works by using a neutral detergent, a water solution and a microfibre cloth or disposable cloth to agitate and physically remove contamination from surfaces and objects.



DISINFECT

Disinfecting means the killing of bacteria and viruses on surfaces or objects.

- Disinfecting works by the application of our product **Nanocyn®** onto surfaces or objects to kill bacteria and/or viruses. Following the Manufacturer's instructions to ensure appropriate contact/dwell time (contact/dwell time is the time it takes for the disinfectant to kill the bacteria, virus or other pathogen).

CLEANING PRINCIPLES:

- Cleaning schedules and procedures must be planned so that cleaning progresses from the least soiled to the most soiled area and from the top to the bottom of a room.
- All areas must be cleaned systematically to avoid missing areas.
- Frequently touched surfaces are high-risk for cross-transmission and must, therefore, be cleaned more frequently.
- Clean from high to low areas.
- Clean from cleanest to dirtier areas.
- Only approved detergent must be used for cleaning.
- All solutions must be diluted according to the manufacturer's instructions, if required.
- The key to environmental cleaning is the physical removal of germs, dirt, and organic matter.
- The use of neutral detergent, water and friction (action of washing/scrubbing – "elbow grease") is effective, cheap and simple and is the first step in the cleaning process.
- No additives (such as scouring agents, disinfectant, or floor polish) are necessary since this can deactivate the active cleaning ingredients in the detergent.
- Dip a new dry cloth into solution bucket and wring out excess solution into dirty bucket.
- Fold microfibre cloth into quarters, swapping sides if the cloth is dirty or lacks solution. New cloths must be used for each area.
- Place used cloths into leakproof bags to launder or place disposable cloths into clinical waste bags for appropriate disposal.
- All electrical equipment must be powered down/turned off and cleaned with an alcohol wipe (e.g. computer monitors, keyboards, mouse, phones, etc).



DISINFECTING PRINCIPLES:

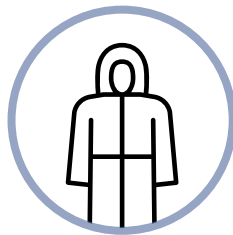
- Disinfecting procedures must be planned so that disinfection progresses from the furthest point from entry working backwards towards the point of entry.
- All areas must be disinfected systematically to avoid missing areas.
- **Nanocyn®** does not require dilution and is to be used neat.
- Apply **Nanocyn®** with Micosafe ULV machine working from high to low areas with a side to side motion standing 1-2 meters away from the surface.
- **Nanocyn®** is to be applied onto and underneath any surface that comes into contact with a person (e.g. tables, benches, chairs, etc.).

PPE REQUIREMENT:

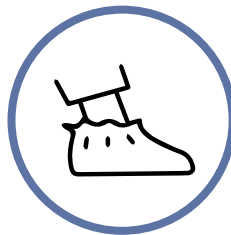
There is no PPE required for **Nanocyn®**; however, one would wear PPE when entering a room that has potential hazards in them BEFORE disinfecting.



N95 MASK



TYPE 4,5,6
COVERALLS



DISPOSABLE
SHOE COVERS



NITRILE
GLOVES



EYE PROTECTION
OR HEAD COVER

EQUIPMENT/CHEMICALS:

- Cleaning Trolley (if required)
- "Cleaning in Progress" sign
- "Wet Floor" signs
- Cleaning solution bucket
- Excess solution bucket
- Yellow microfibre cloths/disposable cloths
- Flat static mop or HEPA filtered vacuum
- Yellow flat microfibre mop and yellow mop bucket
- Window cleaning kit including applicator, squeegee and window cleaning bucket with neutral detergent solution
- Yellow clinical waste plastic bags
- **Microsafe®** ULV Machine
- Neutral detergent solution (diluted according to manufacturer recommendations)
- **Nanocyn®** Disinfectant and Sanitiser



CLEANING (DECONTAMINATION) PROCESS:

Sample Area: Entrances, common area, office areas, kitchen, food preparation and bathrooms.

STEP 1

Ensure that all the necessary equipment is in the trolley and that the cleaning chemicals have been diluted according to manufacturer instructions, if required.

STEP 2

Wear personal protective equipment appropriate to the procedure before commencing the cleaning process.

STEP 3

Display Cleaning In Progress sign.

STEP 4

Take the trolley to the middle of the designated area and work from there, ensuring that any item used is thoroughly cleaned before moving to the next area.

STEP 5

Remove any loose rubbish from the floor and mop with a static mop or if carpet vacuum with HEPA filtered vacuum cleaner.

STEP 6

Commencing at the farthest point from of entry and from top to bottom, damp dust all surfaces including underneath tables, the bottom of chairs and all areas that might come into contact with a person.

STEP 7

Ensure cloths are changed frequently and placed into a laundry bag or clinical waste bag.

STEP 8

Wipe clean all electrical equipment, including light switches with alcohol wipes and dispose of into a clinical waste bag.

STEP 9

Clean glass windows and partitions with the window cleaning kit.

STEP 10

Spot clean walls, especially around light switches, doors, door frames and where marks are present.

STEP 11

Clean all equipment that has been used with the neutral detergent solution before returning to the trolley.

STEP 12

Tie off clinical waste bag and place near exit, remove trolley outside of the designated area.

STEP 13

Place "Wet Floor" signs at entry and use flat microfibre mop to damp mop all hard floor area.

STEP 14

Return all equipment to trolley.

STEP 15

Remove gloves and perform hand hygiene, then put on new gloves.

STEP 16

Return trolley to cleaners' room and discard dirty water and solution and replace with new solution prior to commencing work in new area.

STEP 18

Repeat above steps in new areas and at the completion of each area, including food preparation areas and bathrooms.

STEP 19

Take all waste and laundry bags to the entry of the building and double bag prior to taking outside of premises or clean area.



DISINFECTION PROCESS:

PART A: Microsafe ULV Machine setup and preparation:

- Inspect **Microsafe®** ULV machine for any visible damage, ensure power button is on “OFF” position
- Check that both the Microsafe ULV and extension cord test and tagging are current
- Place **Microsafe®** ULV on a flat surface and open the lid to the liquid reservoir
- Check the expiration date of the **Nanocyn®** 5L container prior to opening
- Slowly fill the **Microsafe®** ULV machine with the desired amount of **Nanocyn®**. Avoid spilling the product. Use a funnel to make the process easier, if required.
- Do not overfill the machine; maximum capacity is 4lt.
- Close the lid on the 5lt container as well as the fumigation machine lid once the filling is completed.

PART B: Application of Nanocyn® to pre-cleaned areas to complete disinfection process:

STEP 1

Wear personal protective equipment appropriate to the procedure before commencing the disinfection process.

STEP 2

Place the **Microsafe®** ULV machine on a flat surface at the furthest point from the exit, ensuring the power switch is in the “off” position.

STEP 3

Unwind the extension cord in the direction of the exit and plug into an easily accessible power point and switch power on.

STEP 4

Set up areas to be disinfected; in the office/ admin areas pull out the chairs away from the desks, in the kitchens open the cupboards and stagger open the drawers, etc.

STEP 5

Airconditioning can remain switched on a low setting.

STEP 6

Adjust the flow rate knob between 2 and 4 and turn the switch to the “ON” position; Adjust the flow rate so that there is a constant flow of a fine mist coming out of the machine.

STEP 7

At the furthest point from the exit start dispensing the mist under the furniture (desks, benches, etc) followed by the chairs both the tops and underneath, pushing the chairs back to the original place.

STEP 8

Ensure to achieve an even coverage of fine mist and to avoid over saturation by dispensing the from a distance of 2-3 meters in a side to side sweeping motion (Avoid pausing the sweeping motion and especially avoid directly misting any computer and other electronic equipment).

STEP 9

Once all areas that may not be exposed to falling droplets have been misted proceed to applying mist to general area.



STEP 10

Working from the furthest corner of the room dispense **Nanocyn®** from a 2-3 meter distance by directing the machine towards the area where the wall meets the ceiling. Work the machine along the wall/ceiling junction lengthways in a sweeping motion working from top to bottom. Cover all walls with a fine even coating of mist. Returning to the centre of the room walk backwards toward the exit and with a slow sweeping motion to achieve an even coverage.

STEP 11

Returning to the far wall pointing the machine toward the ceiling and with a side to side sweeping motion walk backwards toward the exit and dispense an even coverage of mist throughout the entire area.

STEP 12

In the food preparation area spray a fine mist inside all the cupboards and hard to reach areas then proceed to follow step 11.

STEP 13

Allow sufficient time for **Nanocyn®** to dry naturally (**Nanocyn®** does not need rinsing but if the floor is wet, it can be mopped dry after minimum 30 seconds).

STEP 14

Remove "Wet Floor" and "Cleaning In Progress" signs, the area is ready to use. Usually within 10-15 minutes of the completion of the disinfection process.

This procedure is recommended best practice only. It is advisable to also follow state and territory guidelines at all times where available & applicable.

ATHLEGEN

www.athlegen.com.au/nanocyn

