



NetPoulSafe

THE IMPORTANCE OF CHECKING THE EFFICACY OF CLEANING AND DISINFECTION

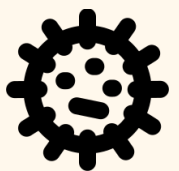
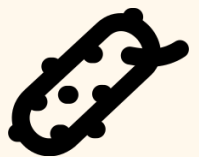


KEY POINTS

- The quality of the cleaning and disinfection process can be verified only by checking of the procedure.
- The hygiene program will not more effective by using popular and expensive chemical products, than use the certified products properly on by a good procedure
- Detection of indicator bacteria on surfaces cleaned and disinfected with chemical agents can be a proven and effective method to monitor efficacy
- By counting the number of micro-organisms per certain unit surface area, this method – total aerobic bacterial counts – can show the reduction of bacterial count on surfaces what cleaned and disinfected with chemicals.

Indicator microorganisms – e.g. *Escherichia coli*, *Staphylococcus aureus*, *Salmonella spp.*

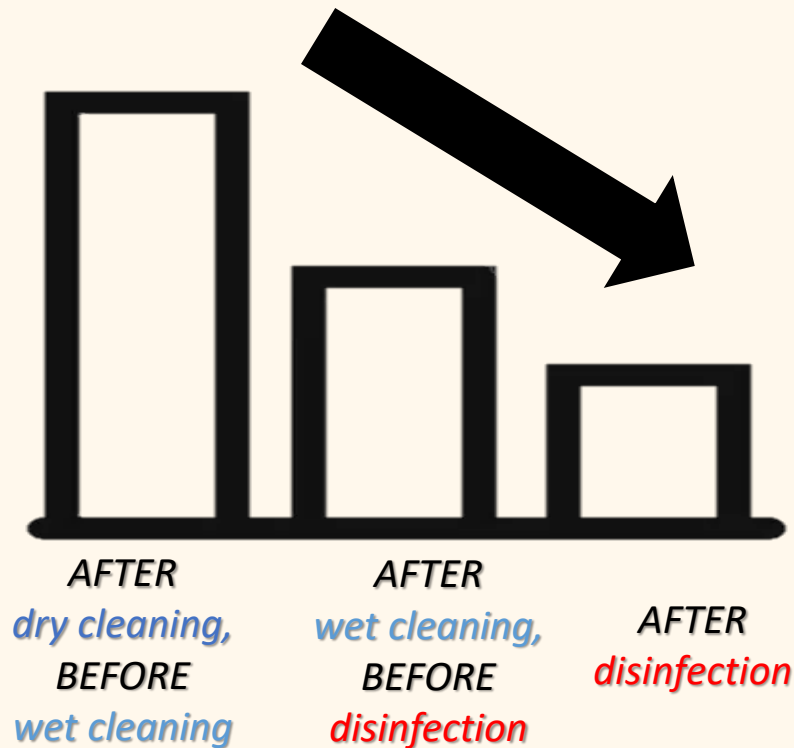
- Such kind of organisms whose easy to isolate and identify and at the most of the cases they can be present at higher level on the sampled surface than the pathogen.
- Generally indicator bacterias are easy to remove (clean and disinfect) from the materials, however, if the hygiene programme is of poor quality, these micro-organisms will be the first to appear in the environment



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Total aerobic bacterial count

- During the process of cleaning and disinfection, the amount of micro-organisms is constantly reduce



- The reduction of bacteria during the cleaning process is much greater than during disinfection.
- Cleaning (dry and wet) removes - physically - the certain amount bacteria.
- The use of disinfectants the rest of micro-organisms that remain after cleaning.
- Disinfection can only be successful and effective after an adequate cleaning process.
- It is therefore essential to focus on the cleaning phase the most.
- The only way to know the quality of a hygiene programme is to check it with microbiological tests.

For more information:

- NETPOULSAFE project : <https://www.netpoulsafe.eu>

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