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Diab-Elschahawi et al (ICHE 2010)
Microfibre, cotton, sponge, paper towel
S.aureus, E.coli 10⁶cfu/ceramic carrier
organic load, dried 1 Hr
manual wipe (back-forth four times)
Results:
3 Log₁₀ reduction for MF and Cotton
1-2 Log₁₀ reduction for sponge and paper towel







Microfibre: So is it all its been cracked up to be??

- Microfibre: does remove more microorganisms (including spores) from surfaces compared to Cotton cloths, but... removal ranges from 2 – 4 Log₁₀ removal.
- Microfibre: does transfer microbes to clean surfaces, but transfer is significantly less than Cotton cloths.



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Summary:



- Microfibre cloths do have better bacterial and spore removal compared to cotton (~ 2 log better)
- Microfibre cloths can transfer organisms to clean surfaces but much lower than cotton
- Pata on disposable wipes vs Microfibre?
- Room decontamination: still requires cleaning with cloths but is disinfectant needed?





