Combining Sporicidal Products with Ultrasonic Cleaning

Large Equipment ?

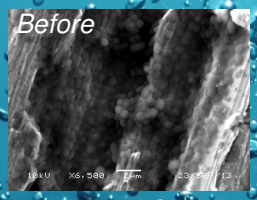
Quick Efficient Cleaning ?

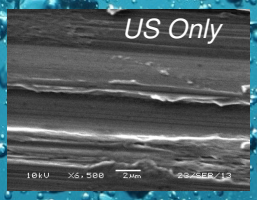
C. difficile spores represent the greatest disinfection challenge.

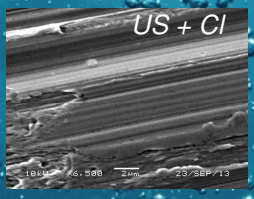
Disinfection ?

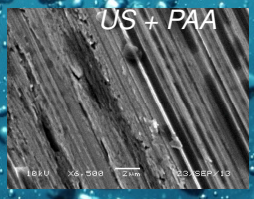
Ultrasound Technology

Chlorine or Peracetic Acid + US VS *C. difficile* Spores

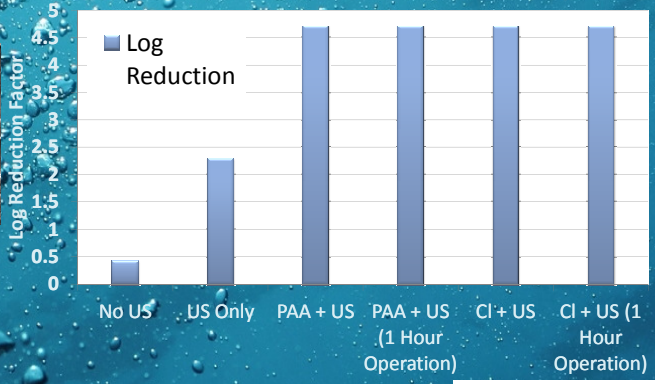


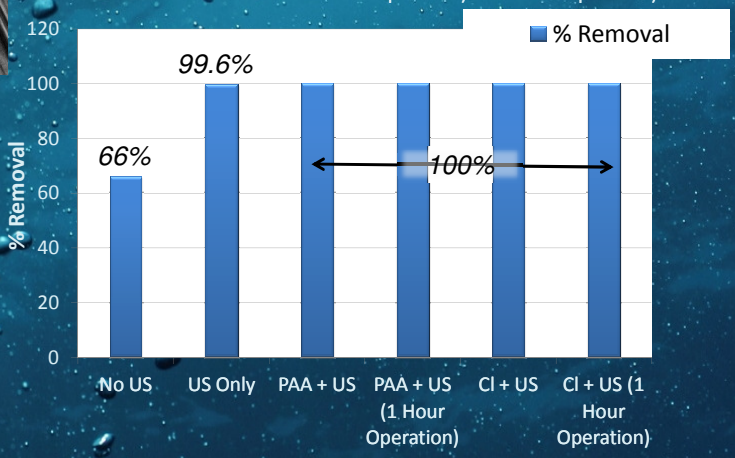






- *2 cm dia steel discs.*
- *C. difficile* spores + BSA & Sheep blood.
- Dried to surface
- Treated for up to 5 minutes.





- Initial concentrations of 500 ppm PAA & 250 ppm available chlorine. Approximately 25% or recommended value.
- Bath run at 50°C as per manufacturers instructions.

- US removed ≈99% of spores within 5 minutes.
- Sporicides required to achieve complete removal over same period.
- Sporicides remained effective for up to 1 hour .
- Some odour issues observed with some chlorine based products.

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