

FRANKE

Products & Customers



Franke Kindred Canada manufactures and supplies product solutions for residential kitchens, institutional applications for the education and health care sectors, and for public washrooms.



Our customers appreciate our ability to offer innovative product ideas to make their environments a more wonderful place to live and work.

FRANKE

Health Care Innovation

Our most innovative new product is the Franke Medi-flo sink, which is at the forefront in solving the issue of hospital associated infections.

In Canada, every 157 seconds, a patient is infected with an HAI, and every 52 minutes, a patient dies from an HAI.



Designed and engineered in Midland, the Franke Medi-flo sink addresses this issue head on.



Barriers & Challenges



One of the biggest challenges that we face is the amount of time that must be devoted to studies and research by the health care and infection control communities before acting on new product solutions.



Perhaps an even greater barrier is the cost involved in renovating existing hospitals, where hand wash sinks require disinfecting.

Independent 3rd Party Study

That sinking feeling: eradicating *Pseudomonas* and *Candida auris* from a sink drain system using ozonated water

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Poster# 236



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Introduction

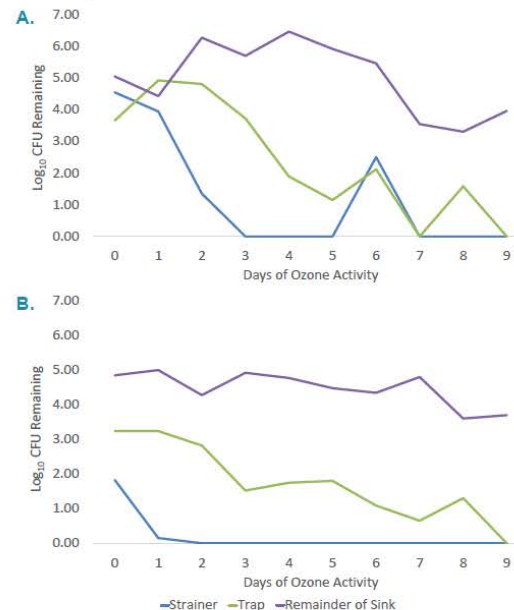
- Contaminated sinks and drains are rapidly emerging as a cause of healthcare-associated infections, particularly in intensive care units (ICUs)
- Drain contamination is particularly difficult to eradicate due to the propensity for biofilm formation in piping
- We tested the benefit of introducing ozone into the water supply for decolonization of sinks and sink plumbing

Methods

- We evaluated the efficacy of ozonated water for reduction of methicillin-resistant *Staphylococcus aureus* (MRSA), *Pseudomonas* sp, and *Candida auris* on steel disks
- On steel disks, organisms were exposed to ozonated water with concentration ≥ 0.9 ppm for 10 minutes
- We also evaluated activity of ozonated water in a sink model deliberately colonized with *Pseudomonas* sp and *C. auris*
- Ozonated water was added to the system via the faucet



Figure 1. A) Elimination of *Pseudomonas* sp. from the ozone sink B) Elimination of *C. auris*



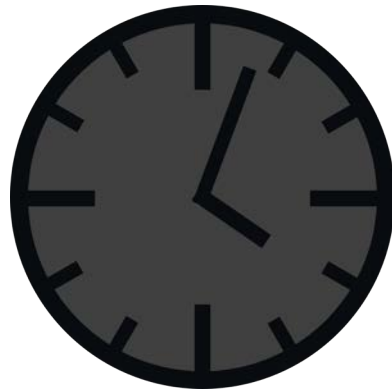
Results

- On steel discs, MRSA, *Pseudomonas*, and *C. auris* were reduced by ≥ 3 log₁₀ colony-forming units (CFUs) with 10 minutes of exposure to ozonated water
- In the sink model, we demonstrated total elimination of *C. auris* and *Pseudomonas* sp at the strainer within 2 days of ozone activity (figure 1, 2)
- We also demonstrated total elimination of both organisms at the trap within 9 days of ozone activity (figure 1, 2)
- Beyond the trap there was no significant decolonization (figure 1, 2)

Conclusions and Acknowledgements

- Our data suggest that ozonated water can effectively kill MRSA, *C. auris*, and *Pseudomonas* spp.
- An ozone generating sink can self-clean, reducing the burden of *C. auris* and *Pseudomonas* spp.
- This device has the potential to reduce the number of sink-associated infections in hospitals, and merits further investigation
- Class 1 Inc. & FRANKE provided the testing apparatus and had no role in the design

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Coming Soon

