



BACKGROUND

Waterlogic® manufactures point of use (POU) water dispensers with BioCote® silver ion technology on the various key components to prevent the growth of microbes such as bacteria and mold that can cause odors, staining and material degradation.

A study at an office and manufacturing facility in the West Midlands, in the UK investigated the effectiveness of BioCote® protected Waterlogic POU dispensers at reducing microbes.

STUDY

Swabs were taken from an in-use BioCote® protected WL2 Firewall (WL2 FW) POU dispenser, an untreated WL2 FW POU dispenser and an untreated bottled-water dispenser.

The testing ran over a four month period and swab samples were then taken at the same time each week and analyzed for total counts of microbes.

The BioCote® test study:

PROVEN ANTIMICROBIAL
PROTECTION ON WATER
DISPENSERS

“ 94.5%

less microbial contamination

ON THE BIOCOTE® TREATED WATERLOGIC
DISPENSER COMPARED TO THE
UNTREATED BOTTLE-FED MACHINE

”



Study results demonstrated reduced microbial colonization on BioCote® treated POU water dispensers compared to untreated units.

BioCote



*BioCote® treated
WL2 Firewall*



*Untreated
WL2 Firewall*

82%

Reduction in microbes

*on the BioCote® treated WL2 FW
water dispenser compared to the
untreated WL2 FW machine.*

94.5%

Reduction in microbes

*on the BioCote® treated WL2 FW
water dispenser compared to the
bottle-fed machine.*



*Untreated bottled
water dispenser*



RESULTS

The findings demonstrated 82% reduction on the BioCote® treated WL2 FW water dispenser compared to the untreated WL2 FW machine. In addition there was 94.5% less microbes on the BioCote® treated WL2 FW water dispenser compared to the bottled fed machine.

The way silver ions act against microbes is still being researched. Some of the better known 'modes of action' are illustrated in Fig 1.

Whilst the study showed the presence of microbes on all of the dispensers swabbed, on the treated Waterlogic dispensers there were significantly lower numbers. The study therefore demonstrated the reduction of microbes on a BioCote® treated POU dispenser manufactured by Waterlogic.

CONCLUSIONS

There was a significant reduction in colonization found on the BioCote® treated WL2 FW water dispenser compared to the untreated WL2 FW machine.

HOW SILVER WORKS

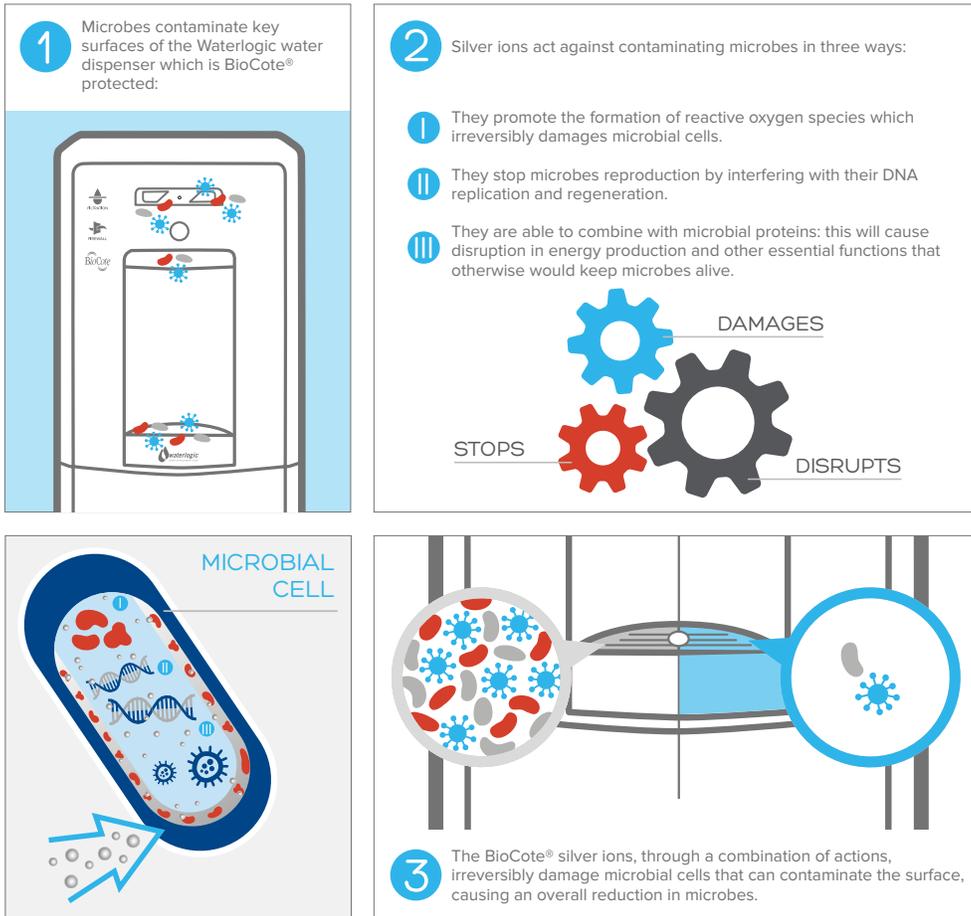


Fig 1.



BioCote® technology does not protect users or others against disease causing bacteria, germs, viruses or other harmful organisms. This technology is not a substitute for good hygiene and/or cleaning practices. For more information, visit www.waterlogicfedgov.com