

Blue Light vs. E.Coli bacterium (Turku University of Applied Sciences, 2018)

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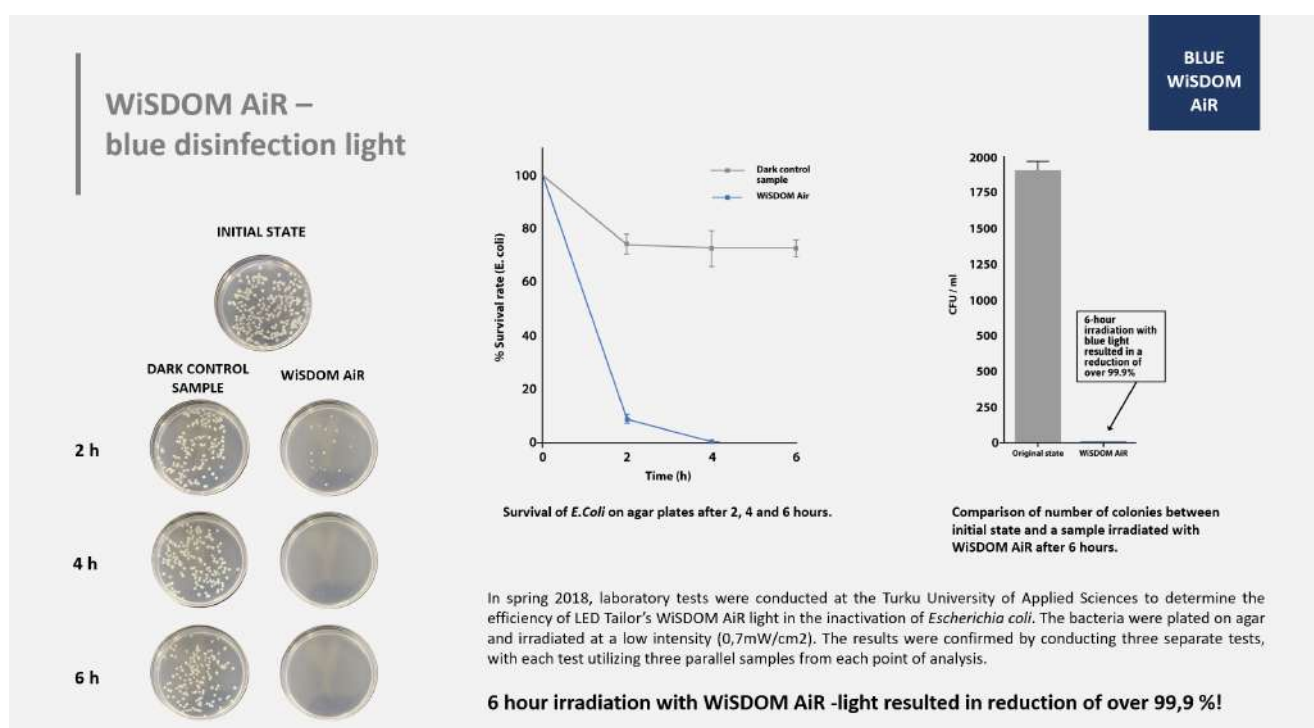
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E.Coli is the most common cause of hospital acquired infections in Europe (15,9%, ECDC).

In spring 2018, laboratory tests were conducted at the Turku University of Applied Sciences to determine the efficiency of LED Tailor's WISDOM AiR Blue Light in the inactivation of *Escherichia coli* bacterium.

The bacteria were plated on agar and irradiated at a low intensity (0,7mW/cm²). The results were confirmed by conducting three separate tests, with each test utilizing three parallel samples from each point of analysis.

6 hour irradiation with WISDOM AiR -light resulted in reduction of over 99,9%! (3log10)



T Tuukka is the author of this solution article.