



In Chronological Order, By Category

Copper Bench Science

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4. Weaver L, Michels HT, Keevil CW. Survival of *Clostridium difficile* on copper and steel: futuristic options for hospital hygiene. *J Hosp Infect* 2008;68:145-51.
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6. Michels HT, Noyce JO, Keevil CW. Effects of temperature and humidity on the efficacy of methicillin-resistant *Staphylococcus aureus* challenged antimicrobial materials containing silver and copper. *Lett Appl Microbiol* 2009;49:191-5.
7. Souli M, Galani I, Plachouras D, Panagea T, Armanidis A, Petrikos G, et al. Antimicrobial activity of copper surfaces against carbapenemase-producing contemporary Gram-negative clinical isolates. *J Antimicrob Chemother* 2013;68:852-7.
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Copper Bioburden Studies

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12. Mikolay A, Huggett S, Tikana L, Grass G, Braun J, Nies DH. Survival of bacteria on metallic copper surfaces in a hospital trial. *Appl Microbiol Biotechnol* 2010;87:1875-9.
13. Schmidt MG, Attaway HH, Sharpe PA, et al. Sustained reduction of microbial burden on common hospital surfaces through the introduction of copper. *J Clin Microbiol* 2012;50(7):2217–2223.
14. Karpanen TJ, Casey AL, Lambert PA, Cookson BD, Nightingale P, Miruszenko L, et al. The antimicrobial efficacy of copper alloy furnishing in the clinical environment: a crossover study. *Infect Control Hosp Epidemiol* 2012;33:3-9.



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16. Schmidt MG, Attaway HH, Sharpe PA, John J, Sepkowitz KA, Morgan A, et al. Sustained reduction of microbial burden on common hospital surfaces through introduction of copper. *J Clin Microbiol* 2012;50:2217-23.
17. Rai S, Hirsch BE, Attaway HH, Nadan R, Fairey S, Hardy J, et al. Evaluation of the Antimicrobial properties of copper surfaces in an outpatient infectious disease practice. *Infect Control Hosp Epidemiol* 2012;33:200-1.
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Copper HAI Reduction Studies

24. Salgado CD, Sepkowitz KA, John JF, Cantey JR, Attaway HH, Freeman KD, et al. Copper surfaces reduce the rate of healthcare-acquired infections in the intensive care unit. *Infect Control Hosp Epidemiol* 2013;34:479-86.
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Copper Literature Reviews or Commentary

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31. Grass G, Rensing C, Solioz M. Metallic copper as an antimicrobial surface. *Appl Environ Microbiol* 2011;77:1541-7.
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