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Article

Polycaprolactone Nanofibers Functionalized by Fibronectin/ Gentamicin and Implanted Silver for Enhanced Antibacterial Properties, Cell Adhesion, and Proliferation

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The samples used in the study were: PCL-ref (r), PCL-Fbn-Ag 5min (1), PCL-Fbn-Ag 2.5min (2), PCL-GM-Ag 2.5min (3), PCL-GM-Ag 5min (4), PCL-COOH (5), PCL-GM (6), PCL-Fbn (7). The Figures S1-S13 demonstrated optical images of samples in Petri dishes after exposure to the pathogens.

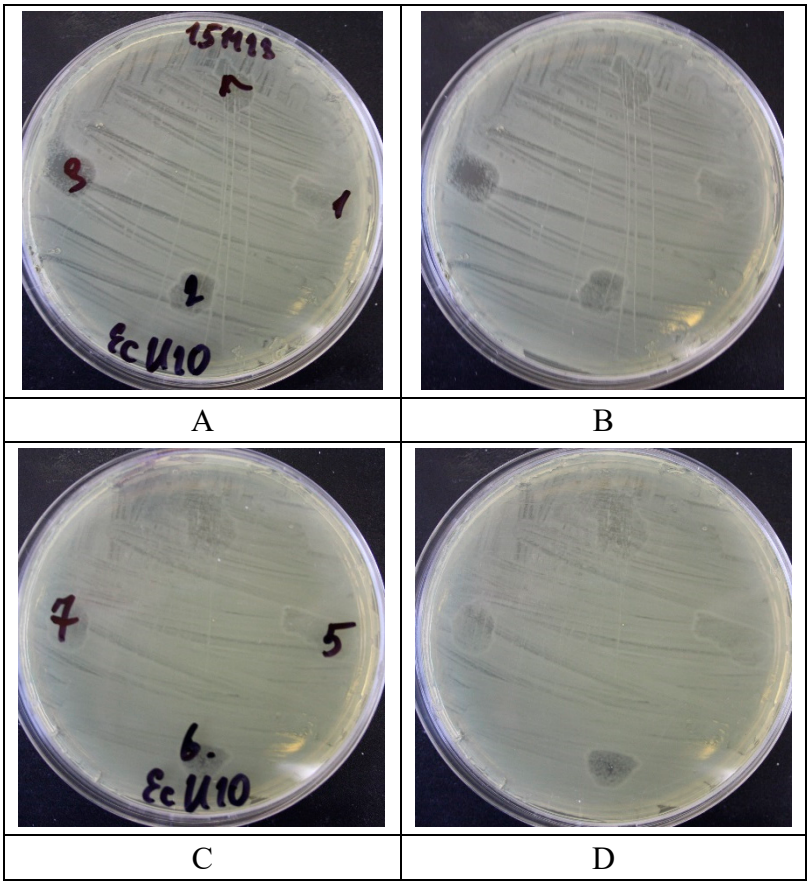
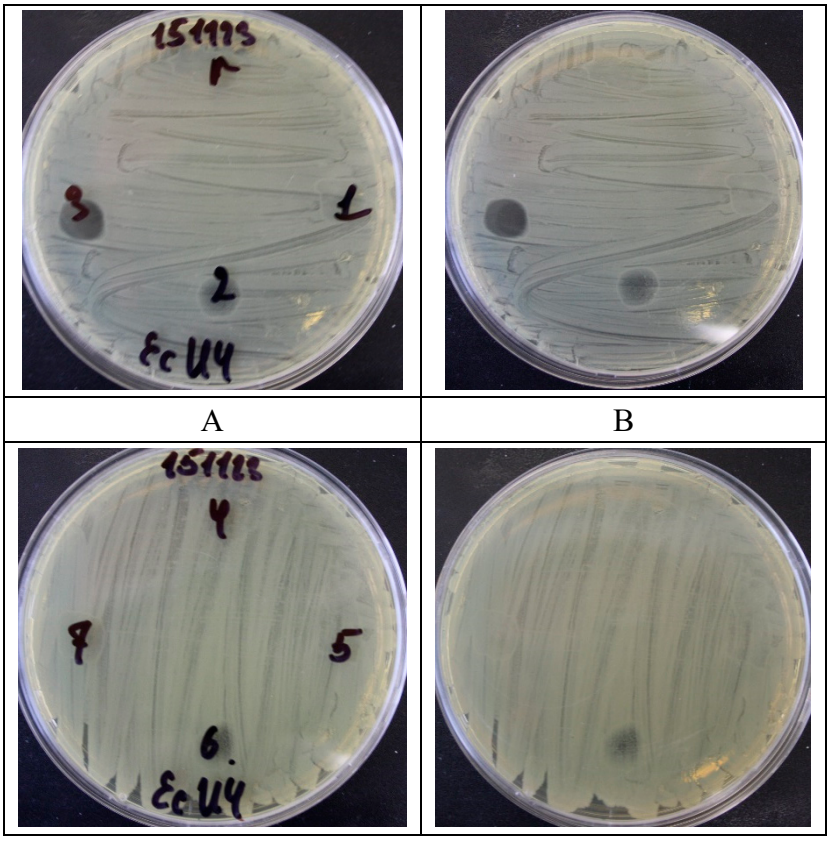


Figure S1. Photo of petri dishes with *E. coli* strain U20 when exposed to samples ref (r), 1, 2 and 3 (A,B), and 4, 5, 6 and 7 (C,D).



C	D

Figure S2. Photo of petri dishes with *E. coli* U4 strain when exposed to samples ref (r), 1, 2 and 3 (A,B), and 4, 5, 6 and 7 (C,D).

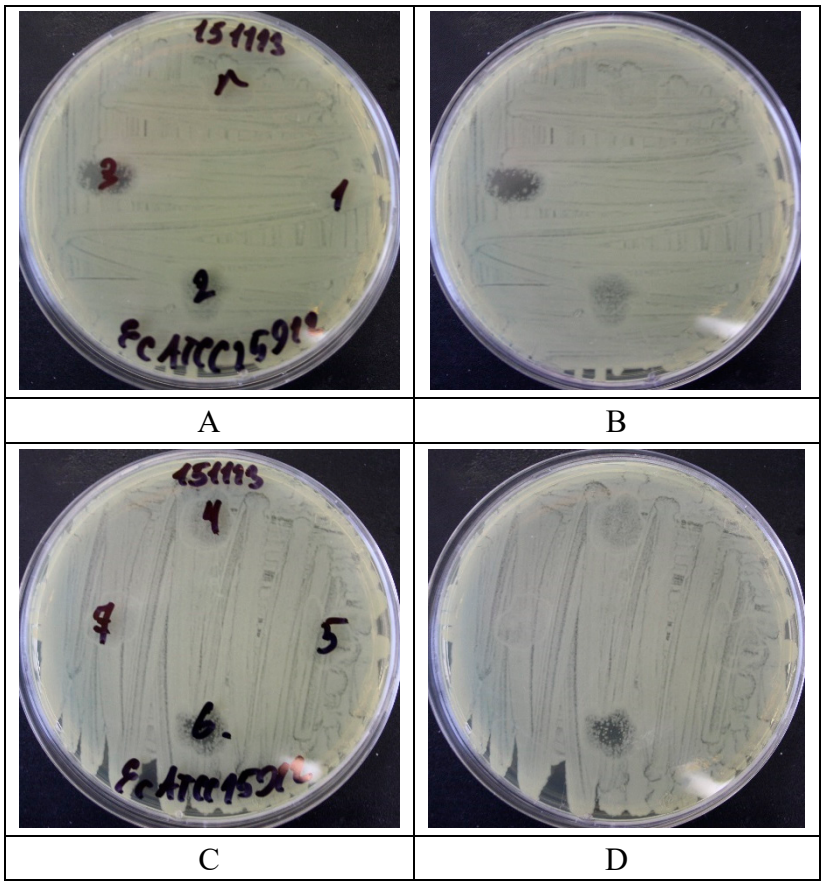
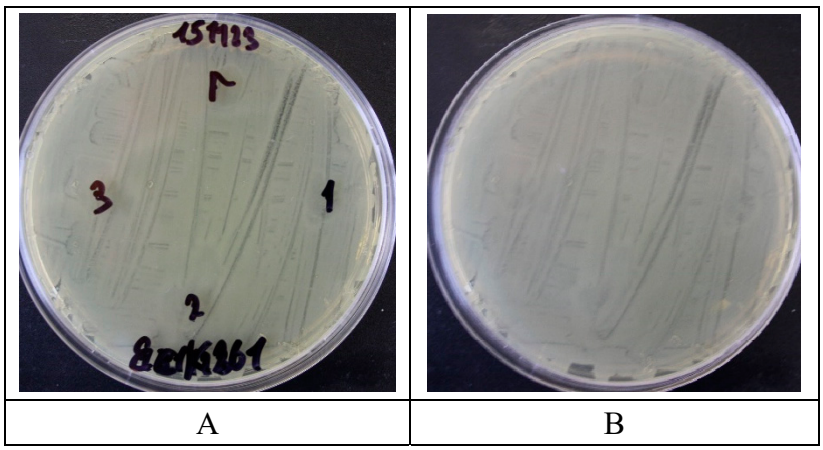


Figure S3. Photo of petri dishes with *E. coli* strain ATCC25922 when exposed to samples ref (r), 1, 2 and 3 (A,B), and 4, 5, 6 and 7 (C,D).



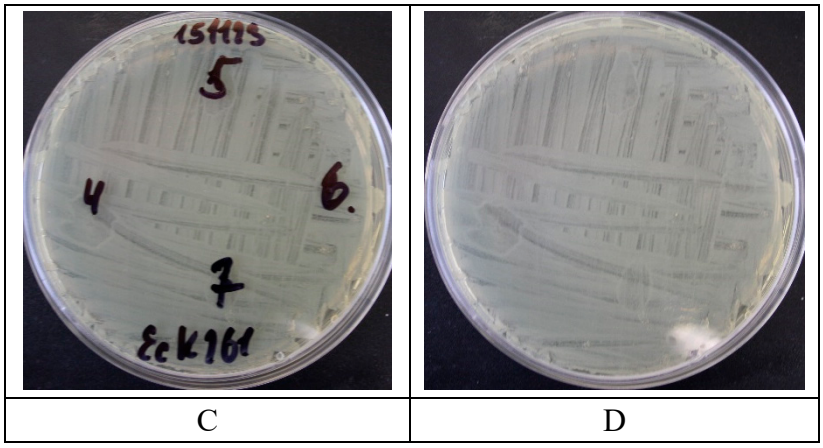


Figure S4. Photo of petri dishes with *E. coli* strain K261 when exposed to samples ref (r), 1, 2 and 3 (A,B), and 4, 5, 6 and 7 (C,D).

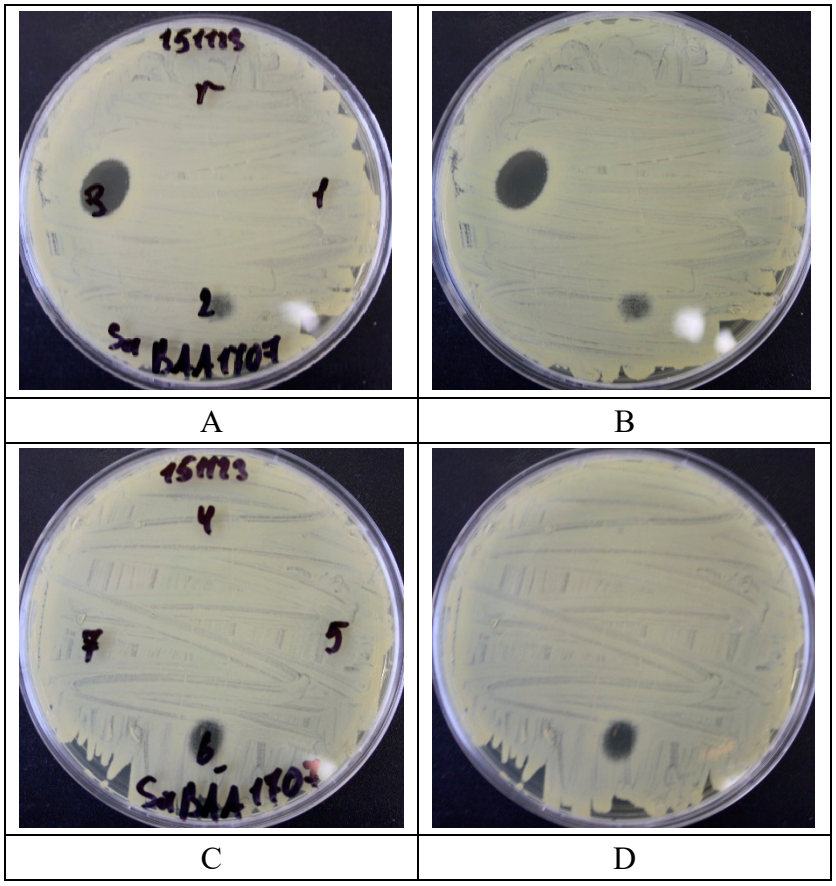


Figure S5. Photo of petri dishes with *S. aureus* strain BAA1707 (MW2) when exposed to samples ref (r), 1, 2 and 3 (A,B), and 4, 5, 6 and 7 (C,D).

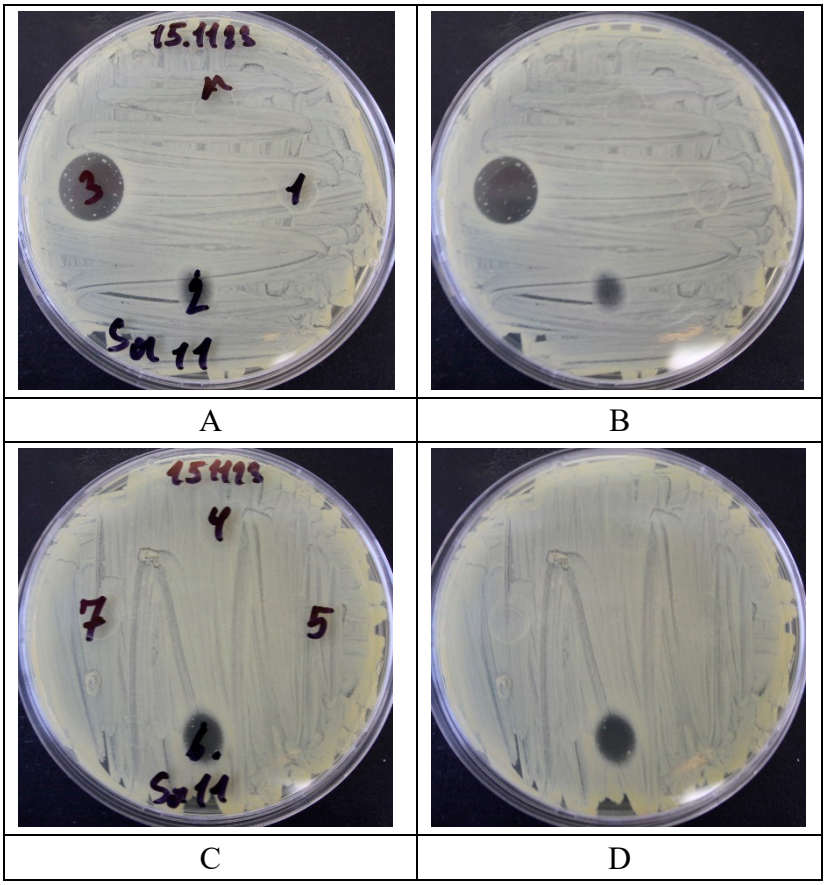
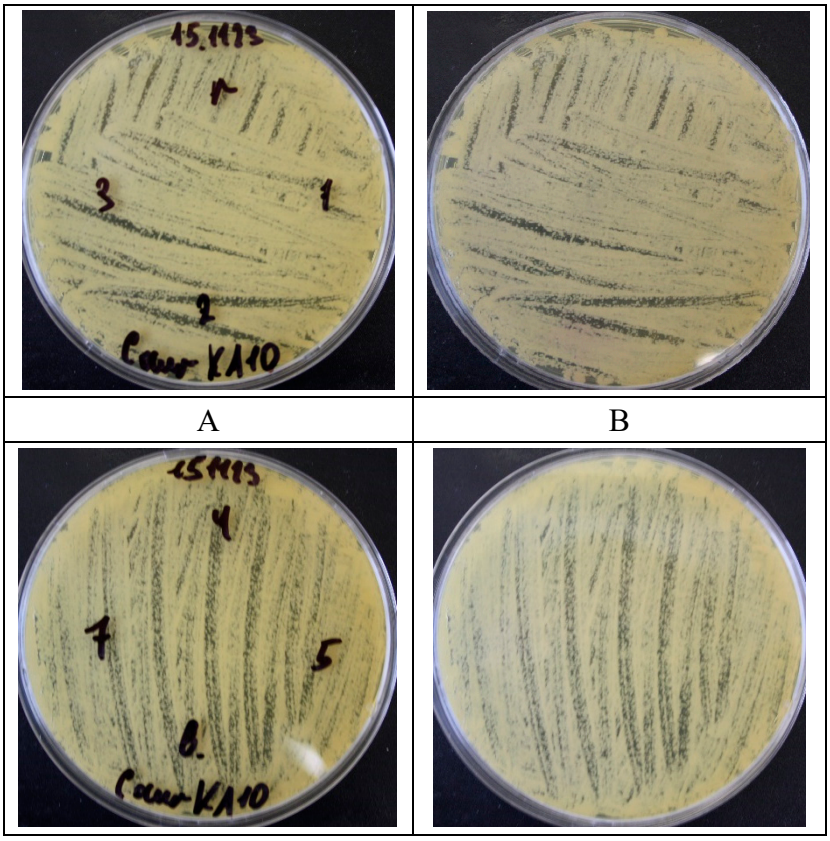


Figure S6. Photo of petri dishes with *S. aureus* strain 11 when exposed to samples ref (r), 1, 2 and 3 (A,B), and 4, 5, 6 and 7 (C,D).



C	D

Figure S7. Photo of petri dishes with *C. auris* strain KA10 when exposed to samples ref (r), 1, 2 and 3 (A,B), and 4, 5, 6 and 7 (C,D).

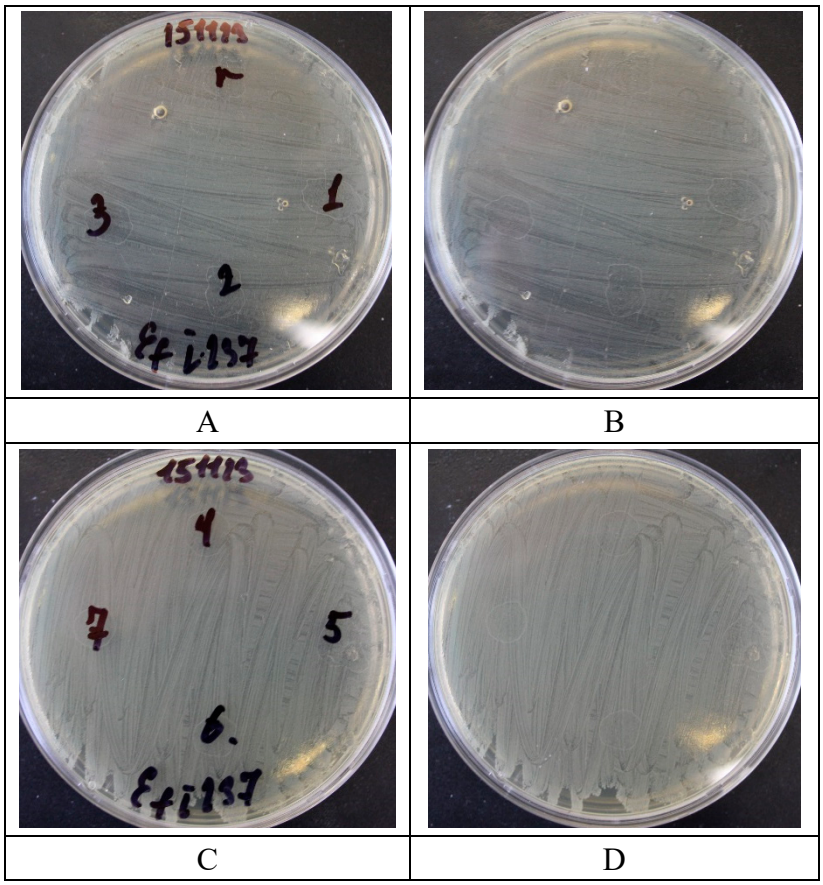
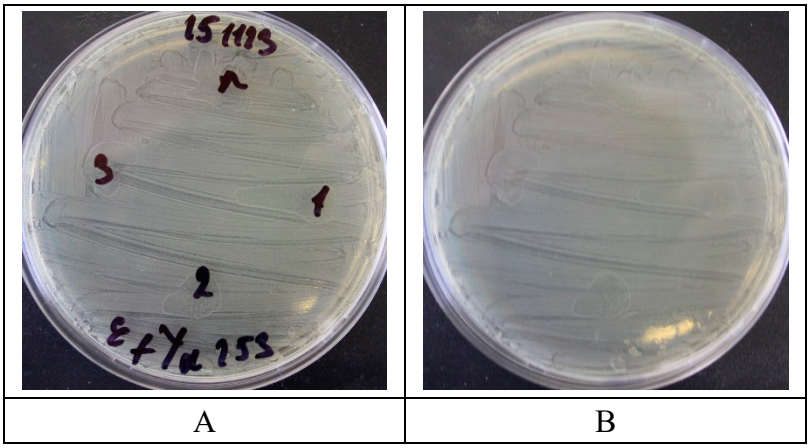


Figure S8. Photo of petri dishes with *E. faecium* i237 strain when exposed to samples ref (r), 1, 2 and 3 (A,B), and 4, 5, 6 and 7 (C,D).



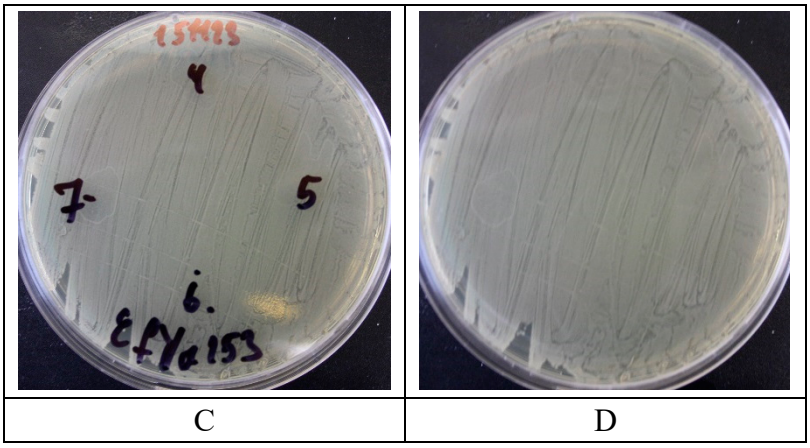


Figure S9. Photo of petri dishes with *E. faecium* strain Ya253 when exposed to samples ref (r), 1, 2 and 3 (A,B), and 4, 5, 6 and 7 (C,D).

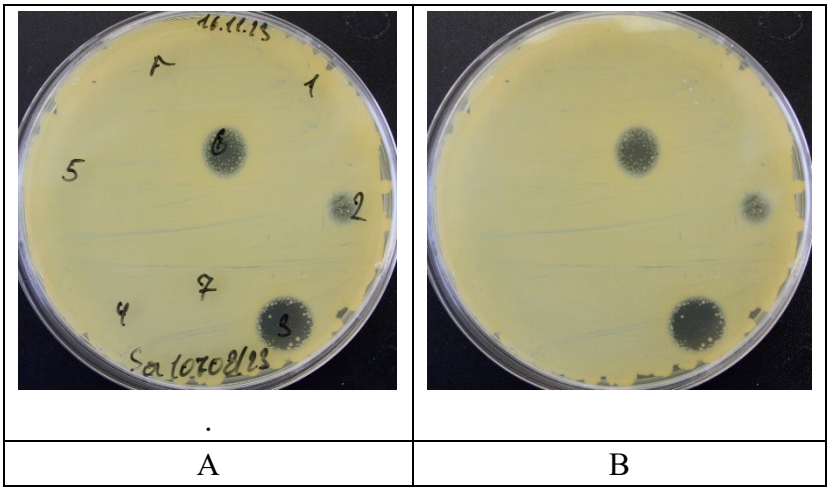


Figure S10. Photo of petri dishes with *S. aureus* strain 10708/23 when exposed to ref (r), 1, 2, 3, 4, 5, 6 and 7 samples.

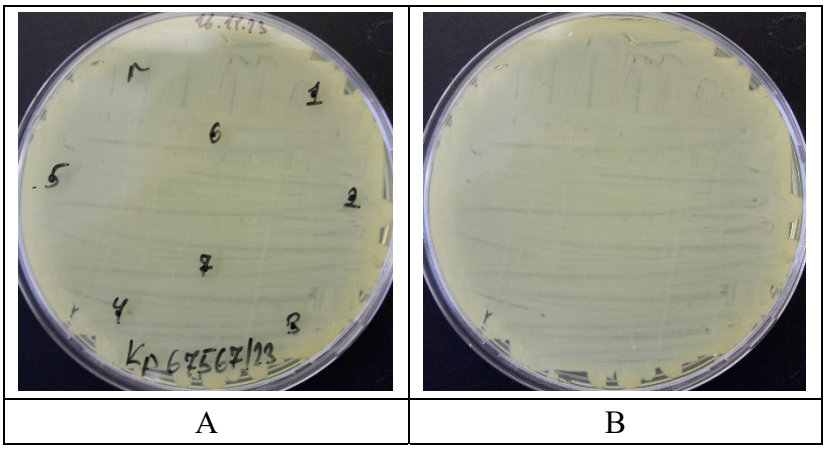


Figure S11. Photo of petri dishes with Klebsiella pneumoniae strain 67565/23 when exposed to samples ref (r), 1, 2, 3, 4, 5, 6 and 7.

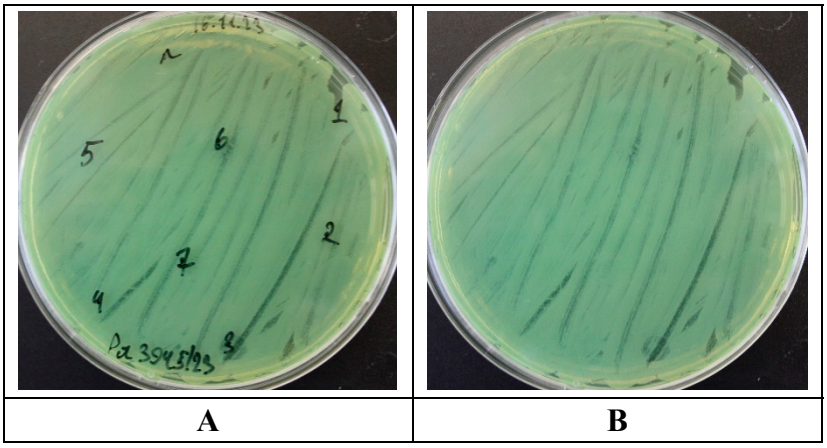


Figure S12. Photo of petri dishes with Pseudomonas aeruginosa strain 3945/23 when exposed to samples ref (r), 1, 2, 3, 4, 5, 6 and 7.

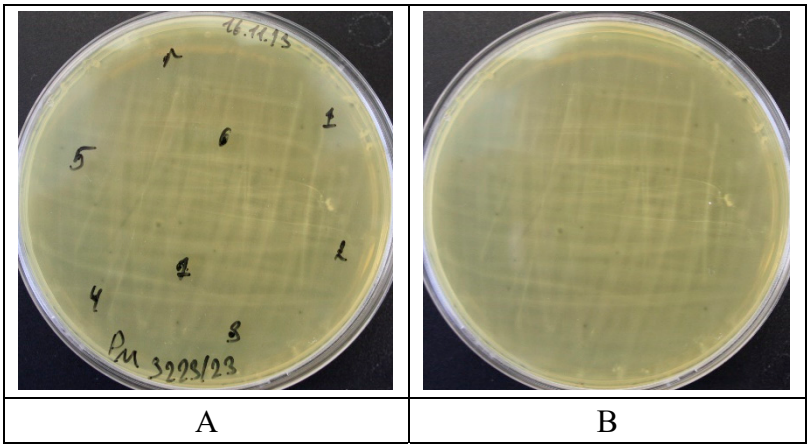


Figure S13. Photo of petri dishes with Proteus mirabilis strain 3223/23 when exposed to samples ref (r), 1, 2, 3, 4, 5, 6 and 7.

Photo of the same Petri dish with numbers of samples (A- left part) and without numbers (B –right part)