Table S1: Nucleotide sequences for PCR and sequencing

	Primer Sequences	Tm (ºC) / Amplicon (bp)
Carbapenemases [12, 13]		
bla$_{KPC-2}$	F: GCTACACCTAGCTCCACCTTC R: ACAGTGGTTGGTAATCCATGC	55 / 989
bla$_{NDM-1}$	F: GGGCAGTCGCTTCCAACGGT R: GTAGTGCTCAGTGTCGGCAT	53 / 476
bla$_{NDM-1}$	F: ATGGAATTGCCCAATATTATGC R: TCAGCGCAGCTTGTCGGCCAT	50 / 813
bla$_{VIM}$	F: GATGGTGTTTGGTCGCATA R: CGAATGCGCAGCACCAG	52 / 390
bla$_{OXA-48}$	F: GCGTGGTTAAGGATGAACAC R: CATCAAGTTCAACCCAACCG	52 / 438
bla$_{IMP}$	F: GGAATAGAGTGGCTTAAYTCTC R: GGTTTAAYAAAACAACCACC	52 / 232
ESBLs [14]		
bla$_{SHV}$	F: CTTTATCGGCCCTCACTCAA R: AGGTGCTCATCATGGGAAAG	55 / 237
bla$_{TEM}$	F: CGCCGCATACACTATTCTCAGAATGA R: ACGCTCACCGGCTCCAGATTTAT	55 / 445
bla$_{CTX-M}$	F: ATGTGCAGYACCAGTAARGTKATGGC[SEP] R: TGGGTRAARTARGTSACCAGAAYCAGCGG	55 / 593
MLST		
PCR amplification (Tm 55ºC)[15]		
dinB	F: GTTTTCCCAGTCACGACGTTGTATGAGAGGTGAGCAATGCGTA R: TTGTGAGCGGATAACAATTTCCGTAGCCCCATCGCTTCCAG	
icd2	F: GTTTTCCCAGTCACGACGTTGTAATTCGCTTCCCGGAACATTG R: TTGTGAGCGGATAACAATTTCATGATCGCGTCACCAAAYTC	
pabB	F: GTTTTCCCAGTCACGACGTTGTAAATCCAATATGACCCGCGAG R: TTGTGAGCGGATAACAATTTCGGTTCCAGTTCGTCGATAAT	
polB	F: GTTTTCCCAGTCACGACGTTGTAGGCGGCTATGTGATGGATTC R: TTGTGAGCGGATAACAATTTCGGTTGGCATCAGAAAACGGC	
putP	F: GTTTTCCCAGTCACGACGTTGTACTGTTTAACCCGTGGATTGC R: TTGTGAGCGGATAACAATTTCGCATCGGCCTCGGCAAAGCG	
trpA	F: GTTTTCCCAGTCACGACGTTGTAGCTACGAATCTCTGTTTGCC R: TTGTGAGCGGATAACAATTTCGCTTTCATCGGTTGTACAAA	
trpB	F: GTTTTCCCAGTCACGACGTTGTACACTATATGCTGGGCACCGC R: TTGTGAGCGGATAACAATTTCCCTCGTGCTTTCAAAATATC	
uidA	F: GTTTTCCCAGTCACGACGTTGTACATTACGGCAAAGTGTGGGTCAAT R: TTGTGAGCGGATAACAATTTCCCATCAGCACGTTATCGAATCCTT	
Sequencing		
oF	GTTTTCCCAGTCACGACGTTGTA	
oR	TTGTGAGCGGATAACAATTTC	

Abbreviations: *bla*$_{KPC}$, *klebsiella pneumoniae* carbapenemase gene; *bla*$_{NDM}$, New Delhi metallo beta lactamase; beta *bla*$_{OXA-48}$, beta-lactamase oxacillinase 48 gene; *bla*$_{VIM}$, metallo-beta-lactamase verona integron gene; *bla*$_{IMP}$, beta-lactamase imipenemase gene; *bla*$_{CTX-M}$, beta-lactamase cefotaxime munich gene; *bla*$_{SHV}$, beta-lactamase sulfhydryl reagent variable gene; *bla*$_{TEM}$, beta-lactamase temoneira gene; *dinB,* DNA polymerase; *icdA*, isocitrate dehydrogenase; *pabB*, p-aminobenzoate synthase; *polB*, polymerase PoIIII; *putP*, proline permease; *trpA*; tryptophan synthase subunit A; *trpB*, tryptophan synthase subunit B; *uidA*, beta-glucuronidase

Table S2: Concentration of MEM and AgNPs

MEM (µg/mL)	AgNPs (µg/mL)	MEM / AgNPs (µg/mL)
1024	10	512 / 10
512	5	256 / 5
256	2.5	128 / 2.5
128	1.25	64 / 1.25
64	0.625	32 / 0.625
32	0.312	16 / 0.312
16		
8		