

Electronic Supplementary Information

***Streptomyces chiangmaiensis* SSUT88A mediated green synthesis of silver nanoparticles: characterization and evaluation of antibacterial action against clinical-drug resistant strains**

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Table S1. Antimicrobial activity of IS-AgNPs after storage at 4°C and room temperature.

To determine the stability of IS-AgNPs after storage at 4°C for five months and room temperature (30-35°C) for one month, the antimicrobial activity of IS-AgNPs was measured by agar-well diffusion method. The experiments were performed in triplicate. The antimicrobial activity of IS-AgNPs was statistically analysed using one-way analysis of variance (ANOVA) in IBM SPSS Statistics Version 23. To determine the significant difference between groups, Tukey's test was applied with $p < 0.05$. There is no significant statistical difference in the antimicrobial activity of IS-AgNPs stored at 4°C and room temperature (30-35°C).

Test pathogen	Inhibition zone (mm)		
	Before	After	
		4°C (5 months)	30-35°C (1 month)
MDR <i>A. baumannii</i>	20.3±1.7 ^a	20.0±1.7 ^a	19.0±1.7 ^a
<i>K. pneumoniae</i> 1617	12.6±1.5 ^a	12.3±0.5 ^a	10.6±1.5 ^a
<i>P. aeruginosa</i> N90PS	20.3±0.5 ^a	20.0±1.7 ^a	17.6±1.15 ^a
<i>E. coli</i> 8465	21.0±1.7 ^a	21.3±1.5 ^a	20.6±0.5 ^a

Fig S1. UV-Vis spectra of IS-AgNPs before and after five months storage at 4°C.

