

**Table S.1:** Minimal inhibitory (MIC) and bactericidal (MBC) concentrations (mg/L) of gentamicin (GEN) and different gentamicin-AOT (GEN-AOT) formulations against various bacterial isolates.

Antimicrobial	<i>S. aureus</i> ATCC 25923 (MSSA) <sup>a</sup>		<i>S. aureus</i> ATCC 33591 (MRSA) <sup>b</sup>		<i>P. aeruginosa</i> PAO1 <sup>c</sup>		<i>L. monocytogenes</i> EGD <sup>d</sup>		<i>L. monocytogenes</i> 56 <sup>e</sup>	
	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC
GEN	0.25	1	2	4-8	0.5	2	0.5	1	1-2	4
GEN-AOT	0.125	0.5	1	2	0.25-0.5	1	0.25-0.5	0.5	1	2-4
PCA GEN-AOT	0.125-0.25	0.5	1-2	2-4	0.25-0.5	1-2	0.25-0.5	0.5	1	2-4
GEN-AOT 502H NP	0.25	0.5	1	2	0.25-0.5	1	0.25-0.5	0.5	1	2-4
GEN-AOT 752H NP	0.25	0.5	1	2	0.25-0.5	1	0.25-0.5	0.5	1	2-4
502H NP	>32	>32	>32	>32	>32	>32	>32	>32	>32	>32
752H NP	>32	>32	>32	>32	>32	>32	>32	>32	>32	>32
AOT	32	>32	>32	>32	32	>32	32	>32	>32	>32

<sup>a</sup>MSSA, methicillin-sensitive *Staphylococcus aureus* obtained from American Tissue Cell Collection (Manassas, VA, USA)

<sup>b</sup>MRSA, methicillin-resistant *Staphylococcus aureus* obtained from American Tissue Cell Collection (Manassas, VA, USA)

<sup>c</sup>Obtained from American Tissue Cell Collection (Manassas, VA, USA)

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