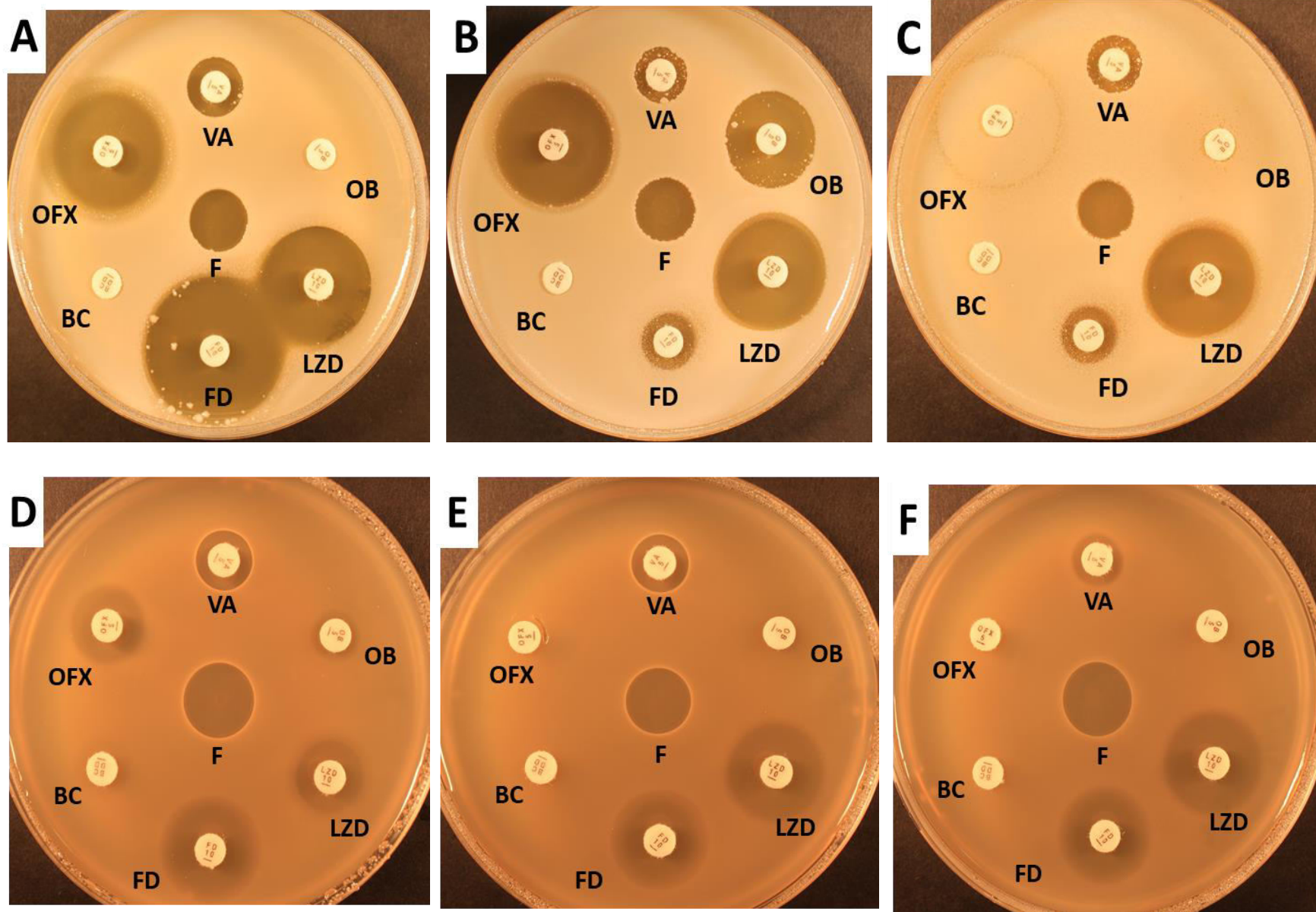


**Supplemental Table 1. Range of MIC values ( $\mu\text{g/ml}$ ) of GarKS and MP1 against selected bacteria.**

Strain ↓/ Antimicrobial →	GarKS	MP1
Lactococci (n=7)	1-4	1-5
Listeria (n=6)	1-4	1-5
Enterococci (n=7)	2-20	2.5-10

**Supplemental Table 2. MIC values of selected antimicrobials ( $\mu\text{g/ml}$ ), as single components and formulation mixture against different strains of *S. aureus*.**

Strain → Antibiotic ↓	Ery	Str	Tet	Cam	Kan	GarKS	MP1	PenG	Combined activity PenG/GarKS/MP1
LMG3322	<2.5	62	<0.3	8	64	16	>1.8	<0.24	<0.24/ <0.12 /<0.002
LMG3255	<2.5	125	2.4	16	>125	32	>1.8	<0.24	<0.24/ <0.12 /<0.002
LMG3271	<2.5	125	2.4	16	64	32	>1.8	<0.24	<0.24/ <0.12 /<0.002
LMG3314	<2.5	62	1.2	8	64	32	0.4	<0.24	<0.24/ <0.12 /<0.002
LMG3328	<2.5	62	1.2	8	32	32	0.9	<0.24	<0.24/ <0.12 /<0.002
LMG3307	<2.5	62	0.6	8	64	32	0.9	<0.24	<0.24/ <0.12 /<0.002
LMG3242	<2.5	250	1.2	8	>125	32	0.4	0.24	<0.24/ <0.12 /<0.002
LMG3264	<2.5	>250	2.4	16	>125	32	>1.8	4	0.5/0.24/0.003
LMG3266	>2500	>125	1.2	32	>125	32	>1.8	64	8/4/ 0.05
LMG3258	<2.5	62	1.2	16	125	32	1.8	64	8/4/ 0.05
LMG3263	>2500	31	2.4	32	>125	16	1.8	125	8/4/ 0.05
LMG3265	>2500	31	2.4	32	64	16	1.8	125	8/4/ 0.05
LMG3026	<2.5	31	77	8	16	16	>1.8	>2500	4/2/0.025



**Supplemental Figure 1.** Comparison of antimicrobial activity of the Formulation with selected antibiotics against *S. pseudintermedius* (A-C) and *Enterococcus faecalis* (D-F). Formulation (F) containing 15  $\mu\text{g}$  for GarKS, 15  $\mu\text{g}$  for PenG and 0.3  $\mu\text{g}$  for MP1; Antibiotic discs – VA-vancomycin, 5  $\mu\text{g}$ ; OB – cloxacillin, 5  $\mu\text{g}$ ; LZO – linezolid, 10  $\mu\text{g}$ ; FD – fusidic acid, 10 $\mu\text{g}$ ; BC – bacitracin, 0.04 Units; OFX – ofloxacin 5 $\mu\text{g}$ .

1 **Supplemental Figure 1.** Comparison of antimicrobial activity of the formulation with selected antibiotics  
2 against *S. pseudintermedius* (A-C) and *Enterococcus faecalis* (D-F). formulation (F) containing 15 µg for  
3 GarKS, 15 µg for PenG and 0.3 µg for MP1; Antibiotic discs – VA-vancomycin, 5 µg; OB – cloxacillin,  
4 5 µg; LZD – linezolid, 10 µg; FD – fusidic acid, 10µg; BC – bacitracin, 0.04 Units; OFX – ofloxacin 5µg.