

Supplementary Tables

1. **Table S1.** Log CFU/mL reduction values for NSAIDs at 1/2×MIC, MIC and a concentration above MIC, after 6h
2. **Table S2.** Percentage of biomass reduction and cell inactivation and log CFU/cm² reduction of *E. coli* and *S. aureus* biofilms, grown in the presence of the selected NSAIDs at different concentrations (MIC, 5×MIC and 10×MIC). Mean values ± Standard deviation are illustrated
3. **Table S3.** Percentage of biomass reduction and cell inactivation and log CFU/cm² reduction of *E. coli* and *S. aureus* biofilms, grown in the presence of KAN and TET at MIC. Mean values ± Standard deviation are illustrated
4. **Table S4.** Percentage of biomass reduction and cell inactivation and log CFU/cm² reduction of *E. coli* and *S. aureus* biofilms, grown in the presence of the selected NSAIDs at different concentrations and antibiotics at MIC. Mean values ± Standard deviation are illustrated
5. **Table S5.** Classification of the efficacy of the selected NSAIDs (at MIC, 5×MIC and 10×MIC) and KAN and TET (at MIC), in the control of *E. coli* and *S. aureus* biofilms, in terms of biomass reduction and biofilm inactivation

Table S1. Log CFU/mL reduction values for NSAIDs at 1/2×MIC, MIC and a concentration above MIC, after 6h.

<i>E. coli</i>			<i>S. aureus</i>		
NSAID	C (µg/mL)	log reduction	NSAID	C (µg/mL)	log reduction
PXC	400	1.20	DCF	1000	2.50
	800	1.27		2000	3.86
	1500	1.34		2500	5.68
ASA	875	0.19	ASA	1000	0.05
	1750	0.83		2000	0.92
	2500	0.90		2500	1.06

Table S2. Percentage of biomass reduction and cell inactivation and log CFU/cm² reduction of *E. coli* and *S. aureus* biofilms, grown in the presence of the selected NSAIDs at different concentrations (MIC, 5×MIC and 10×MIC).

Biomass reduction (%)	NSAIDs			
	<i>E. coli</i>		<i>S. aureus</i>	
	PXC	ASA	DCF	ASA
MIC	28.6 ± 2.7	-	-	-
5×MIC	16.8 ± 0.1	-	-	-
10×MIC	-	-	-	-
Biofilm inactivation (%)	NSAIDs			
	<i>E. coli</i>		<i>S. aureus</i>	
	PXC	ASA	DCF	ASA
MIC	73.2 ± 2.4	74.3 ± 3.8	80.4 ± 2.2	82.7 ± 2.4
5×MIC	72.9 ± 2.2	74.1 ± 4.9	86.6 ± 3.2	84.0 ± 2.7
10×MIC	66.1 ± 3.5	74.1 ± 4.4	86.7 ± 3.3	83.2 ± 3.8
log CFU/cm ² reduction	NSAIDs			
	<i>E. coli</i>		<i>S. aureus</i>	
	PXC	ASA	DCF	ASA
Negative control (DMSO)	0.68 ± 0.47		0.22 ± 0.40	
MIC	3.24 ± 0.48	3.55 ± 0.47	2.22 ± 1.08	3.33 ± 0.32
5×MIC	3.58 ± 0.47	6.46 ± 0.47	3.47 ± 0.67	6.19 ± 0.31
10×MIC	3.78 ± 0.49	6.46 ± 0.47	6.19 ± 0.31	6.19 ± 0.31

Mean values ± Standard deviation are illustrated.

Table S3. Percentage of biomass reduction and cell inactivation and log CFU/cm² reduction of *E. coli* and *S. aureus* biofilms, grown in the presence of KAN and TET at MIC.

Biomass reduction (%)	Antibiotics			
	<i>E. coli</i>		<i>S. aureus</i>	
	KAN	TET	KAN	TET
MIC	22.8 ± 1.8	21.5 ± 1.3	30.6 ± 1.0	31.2 ± 2.2
Biofilm inactivation (%)	Antibiotics			
	<i>E. coli</i>		<i>S. aureus</i>	
	KAN	TET	KAN	TET
MIC	80.8 ± 2.2	66.8 ± 1.0	43.5 ± 2.8	26.8 ± 1.1
log CFU/cm ² reduction	Antibiotics			
	<i>E. coli</i>		<i>S. aureus</i>	
	KAN	TET	KAN	TET
MIC	3.72 ± 0.37	2.21 ± 0.06	1.37 ± 0.33	0.85 ± 0.46

Mean values ± Standard deviation are illustrated.

Table S4. Percentage of biomass reduction and cell inactivation and log CFU/cm² reduction of *E. coli* and *S. aureus* biofilms, grown in the presence of the selected NSAIDs at different concentrations and antibiotics at MIC.

Biomass reduction (%)	NSAIDs + KAN				NSAIDs + TET			
	<i>E. coli</i>		<i>S. aureus</i>		<i>E. coli</i>		<i>S. aureus</i>	
	PXC	ASA	DCF	ASA	PXC	ASA	DCF	ASA
MIC	17.8 ± 0.9	30.0 ± 1.1	12.2 ± 0.6	31.4 ± 1.3	12.4 ± 0.2	25.4 ± 0.1	16.2 ± 1.1	28.4 ± 1.5
5×MIC	19.0 ± 1.1	30.0 ± 0.3	16.8 ± 2.0	28.1 ± 0.5	16.3 ± 0.7	20.1 ± 1.9	22.5 ± 0.4	27.4 ± 0.4
10×MIC	25.2 ± 2.0	21.7 ± 0.8	23.5 ± 1.9	16.7 ± 2.0	20.5 ± 1.3	12.1 ± 1.6	32.4 ± 0.8	22.2 ± 0.4
Biofilm inactivation (%)	NSAIDs + KAN				NSAIDs + TET			
	<i>E. coli</i>		<i>S. aureus</i>		<i>E. coli</i>		<i>S. aureus</i>	
	PXC	ASA	DCF	ASA	PXC	ASA	DCF	ASA
MIC	63.0 ± 0.5	86.3 ± 3.6	82.6 ± 0.5	73.3 ± 1.6	70.3 ± 0.5	88.8 ± 1.9	80.2 ± 6.7	74.4 ± 2.2
5×MIC	67.2 ± 0.0	92.6 ± 1.1	89.3 ± 4.1	76.2 ± 2.6	74.0 ± 1.0	92.7 ± 1.1	89.2 ± 4.7	76.2 ± 1.6
10×MIC	70.0 ± 1.4	92.5 ± 1.3	89.2 ± 3.7	77.2 ± 1.6	85.3 ± 0.8	92.7 ± 1.4	89.2 ± 4.7	76.7 ± 2.0
log CFU/cm ² reduction	NSAIDs + KAN				NSAIDs + TET			
	<i>E. coli</i>		<i>S. aureus</i>		<i>E. coli</i>		<i>S. aureus</i>	
	PXC	ASA	DCF	ASA	PXC	ASA	DCF	ASA
Negative control (DMSO)	0.68 ± 0.47		0.22 ± 0.40		0.68 ± 0.47		0.22 ± 0.40	
MIC	2.48 ± 0.53	4.04 ± 0.68	3.00 ± 0.31	2.73 ± 0.70	1.76 ± 0.47	1.35 ± 0.84	0.99 ± 0.33	1.04 ± 0.31
5×MIC	2.57 ± 0.55	6.46 ± 0.47	3.15 ± 0.32	6.19 ± 0.31	1.96 ± 0.47	3.86 ± 0.49	3.05 ± 0.33	2.06 ± 0.31
10×MIC	2.64 ± 0.56	6.46 ± 0.47	6.19 ± 0.31	6.19 ± 0.31	2.24 ± 0.47	6.46 ± 0.47	6.19 ± 0.31	6.19 ± 0.31

Mean values ± Standard deviation are illustrated.

Table S5. Classification of the efficacy of the selected NSAIDs (at MIC, 5×MIC and 10×MIC) and KAN and TET (at MIC), in the control of *E. coli* and *S. aureus* biofilms, in terms of biomass reduction and biofilm inactivation.

Bacteria	Antibiotic	MIC	Biomass reduction	Biofilm inactivation	
<i>E. coli</i>	KAN	MIC	Low efficacy	High efficacy	
		TET	Low efficacy	High efficacy	
	PXC	MIC	Moderate efficacy	High efficacy	
		5× MIC	Low efficacy	High efficacy	
		10× MIC	Low efficacy	High efficacy	
		MIC + MIC	Low efficacy	High efficacy	
		PXC+KAN	5× MIC + MIC	Low efficacy	High efficacy
		PXC+TET	10× MIC + MIC	Moderate efficacy	High efficacy
	PXC+TET	MIC + MIC	Low efficacy	High efficacy	
		5×MIC + MIC	Low efficacy	High efficacy	

		10×MIC + MIC	Low efficacy	High efficacy
		MIC	Low efficacy	High efficacy
	ASA	5×MIC	Low efficacy	High efficacy
		10×MIC	Low efficacy	High efficacy
		MIC + MIC	Moderate efficacy	High efficacy
	ASA+KAN	5×MIC + MIC	Moderate efficacy	Excellent efficacy
		10×MIC + MIC	Low efficacy	Excellent efficacy
		MIC + MIC	Moderate efficacy	High efficacy
	ASA+TET	5×MIC + MIC	Low efficacy	Excellent efficacy
		10×MIC + MIC	Low efficacy	Excellent efficacy
	KAN	MIC	Moderate efficacy	Moderate efficacy
	TET	MIC	Moderate efficacy	Moderate efficacy
		MIC	Low efficacy	High efficacy
	DCF	5×MIC	Low efficacy	High efficacy
		10×MIC	Low efficacy	High efficacy
		MIC + MIC	Low efficacy	High efficacy
	DCF+KAN	5×MIC + MIC	Low efficacy	High efficacy
		10×MIC + MIC	Low efficacy	High efficacy
		MIC + MIC	Low efficacy	High efficacy
	DCF+TET	5×MIC + MIC	Low efficacy	High efficacy
		10×MIC + MIC	Moderate efficacy	High efficacy
<i>S. aureus</i>		MIC	Low efficacy	High efficacy
	ASA	5×MIC	Low efficacy	High efficacy
		10×MIC	Low efficacy	High efficacy
		MIC + MIC	Moderate efficacy	High efficacy
	ASA+KAN	5×MIC + MIC	Moderate efficacy	High efficacy
		10×MIC + MIC	Low efficacy	High efficacy
		MIC + MIC	Moderate efficacy	High efficacy
	ASA+TET	5×MIC + MIC	Moderate efficacy	High efficacy
		10×MIC + MIC	Low efficacy	High efficacy