

Supporting information

Antibacterial, Antibiofilm and Anti-virulence Activity of Biactive Fractions from Mucus Secretion of Giant African Snail *Achatina fulica* against *Staphylococcus aureus* Strains

Libardo Suárez ^{1,2}, Andrés Pereira ², William Hidalgo ^{1,*} and Nelson Uribe ²

¹ Grupo de Investigación en Bioquímica y Microbiología (GIBIM), Escuela de Química, Universidad Industrial de Santander, Edificio Camilo Torres 202, Bucaramanga 680002, Colombia; libardo2178128@correo.uis.edu.co

² Grupo de Inmunología y Epidemiología Molecular (GIEM), Escuela de Microbiología, Facultad de Salud, Universidad Industrial de Santander, Bucaramanga 680002, Colombia; andres.pereira@correo.uis.edu.co (A.P.); nelurdel@uis.edu.co (N.U.)

* Correspondence: whidalgo@uis.edu.co; Tel.: +57-(7)-634-40-00 (ext. 2025)

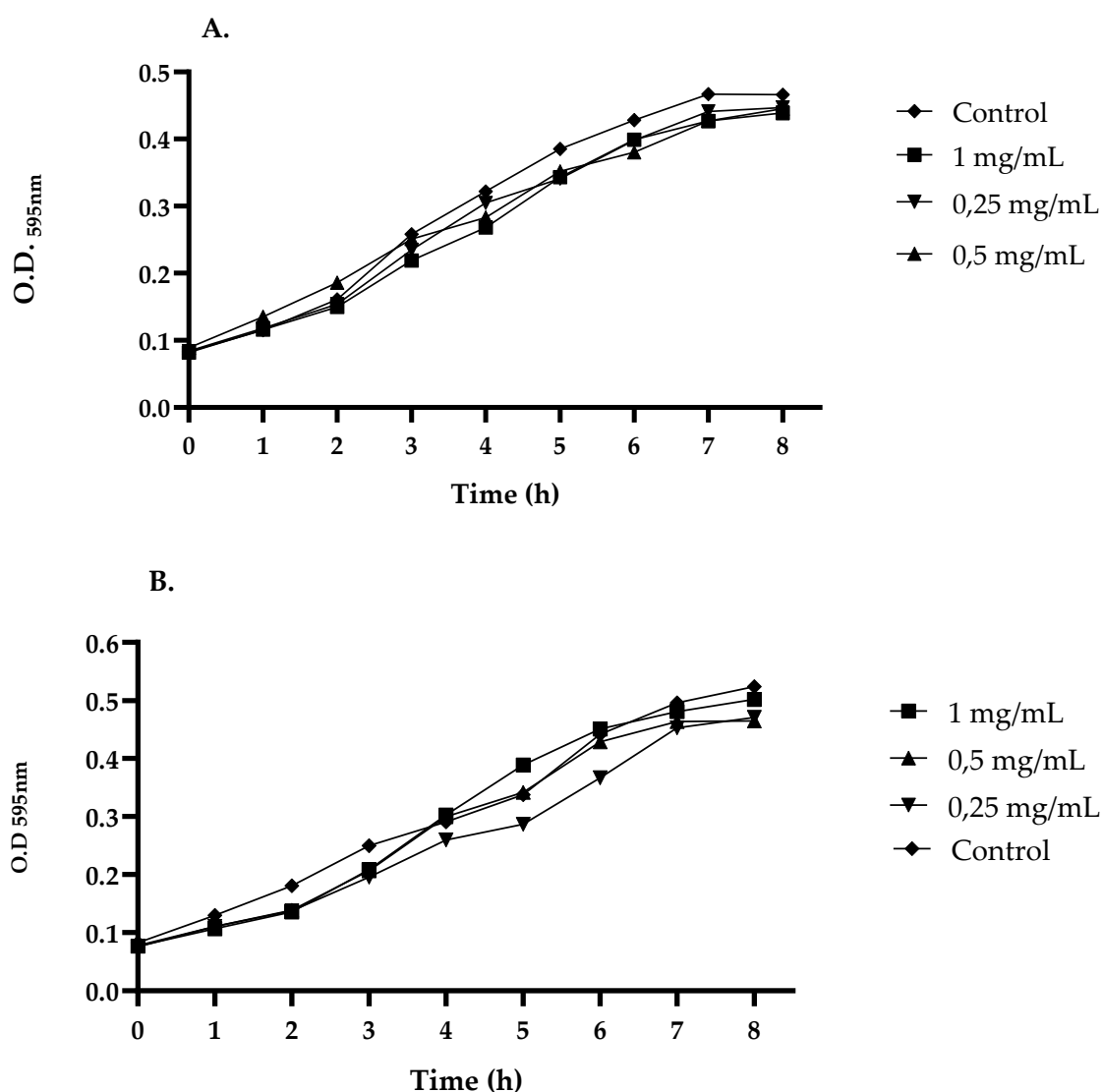


Figure S1. Growth kinetics assay of the antimicrobial effect of FME10 against (A) *S. aureus* ATCC 29213 and (B) *S. aureus* CMPUJ 015.

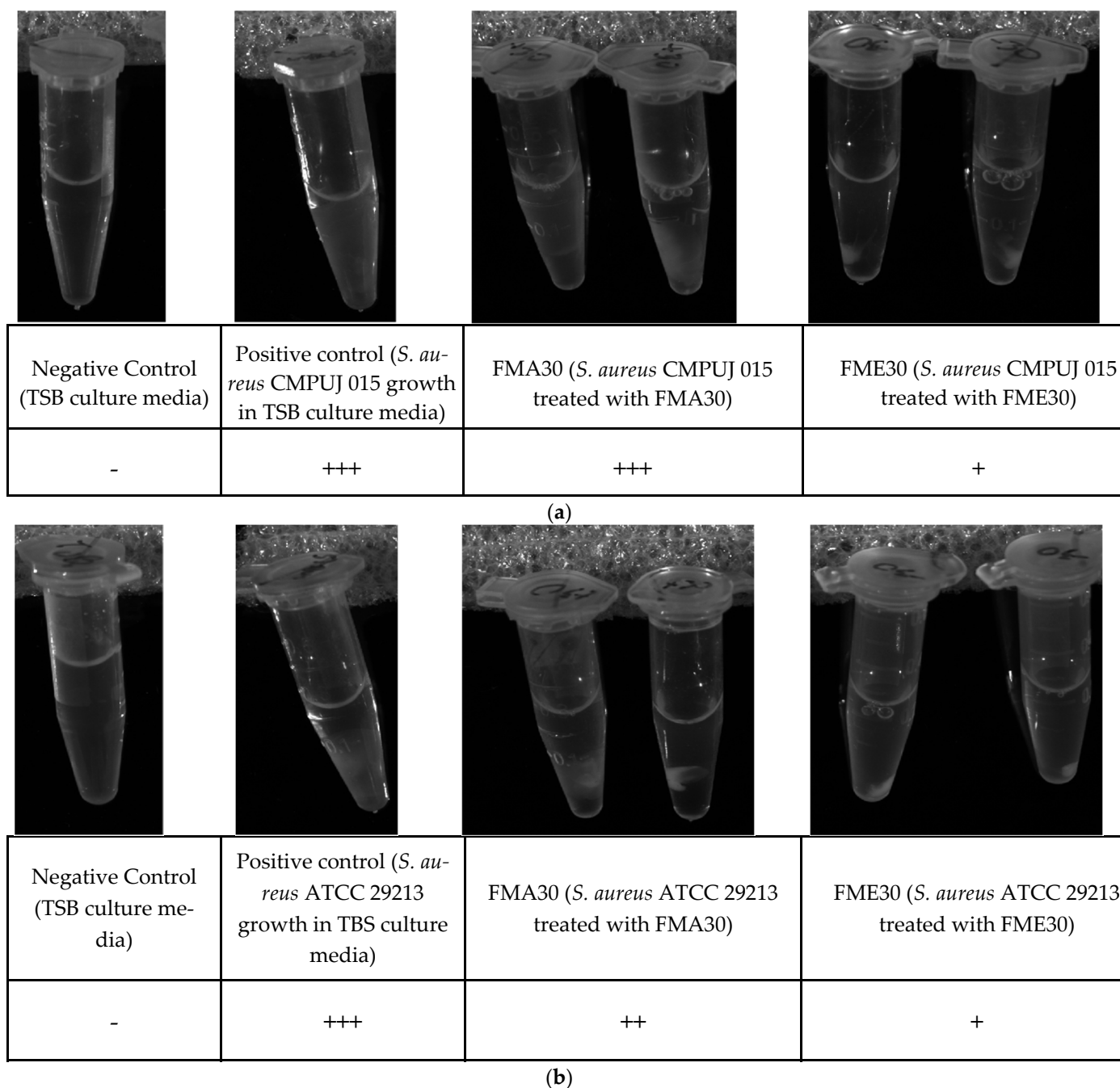


Figure S2. Inhibition of the coagulase production of *S. aureus* strains. (a) *S. aureus* CMPUJ 015 (b) *S. aureus* ATCC 29213. TBS (Tryptic Soy Broth) culture media. (+++) Total, (++) partial, (+) minimum presence of clots.

Table S1. Antibigram of *S. aureus* strains. The clinical tests were carried out by the service of Merced Lab, Bucaramanga, Colombia.

Antibiotic	<i>S. aureus</i> CMPUJ 015		<i>S. aureus</i> ATTC 29213	
	MIC (ug/mL)	Interpretation	MIC (ug/mL)	Interpretation
Amox/A Clav	≤4/2	S	≤4/2	S
Amp/Sulbactam	>16/8	R	16/8	I
Ampicillin	>8	R	>8	R
Cefazolin	≤4	S	≤4	S
Ciprofloxacin	≤1	S	≤1	S
Clindamycin	1	I	1	I
Daptomycin	1	S	1	S
Erythromycin	>4	R	2	I
Gentamicin	≤4	S	≤4	S
Induction Clindamycin	≤4/0.5	NEG	≤4/0.5	NEG
Levofloxacin	≤1	S	≤1	S
Linezolid	4	S	4	S
Moxifloxacin	≤0.5	S	≤0.5	S
Nitrofurantoin	≤32		≤32	
Oxacillin	2	S	1	S
Penicillin	>8	R	>8	R
Rifampicin	≤1	S	≤1	S
Cefoxitin Screening	≤4	NEG	≤4	NEG
Synercid	≤1	S	≤1	S
Tetracycline	>8	R	>8	R
Trimet/Sulfa	≤0.5/9.5	S	≤0.5/9.5	S
Vancomycin	2	S	2	S

S: sensible; I: intermediate sensitivity; R: resistant; NEG: Negative.