

Table S1: Primer list for dual species biofilms of *S. mutans* and *C. albicans*. 16srRNA and ACT1 were used as the house keeping gene for *S. mutans* and *C. albicans* respectively.

S.no	Gene	Forward Primer Sequence (5' – 3')	Reverse Primer Sequence (5' – 3')	Ref
1	<i>gtfB</i>	AAACAACCGAAGCTGATAC	CAATTTCTTTTACATTGGGAAG	[1]
2	<i>gtfC</i>	GGTTTAACGTCAAAATTAGCTGT ATTAGC	CTCAACCAACCGCCACTGTT	[2]
3	<i>LuxS</i>	ACTGTTCCCCTTTTGGCTGTC	AACTTGCTTTGATGACTGTGGC	[2]
4	<i>brpA</i>	GGAGGAGCTGCATCAGGATTC	AACTCCAGCACATCCAGCAAG	[2]
5	<i>nox1</i>	GGACAAGAATCTGGTGTGA	CAATATCAGTCTCTACCTTAGG C	[1]
6	<i>atpD</i>	CCAGGCGGTTTCATTCATCTGAC	GGCGGGATTTCGGTATTACTG	[2]
7	<i>DnaK</i>	GGTACAACAACTCAGCAGTTGC AGTTCTT	CCCCATCTTAGATTGATGGAA AGAATTGT	[2]
8	<i>16srRNA</i>	CCTACGGGAGGCAGCAGTAG	CAACAGAGCTTTACGATCCGA AA	[2]
9	<i>BGL2</i>	ATGGGTGATTTGGCTTTCAA	CAGCTGGACCAAGGTTTTGT	[1]
10	<i>PHR1</i>	GGTTTGGTTCTGGTTGATGG	AGCAGCAGTTCCTGGACATT	[1]
11	<i>PHR2</i>	CTCCTCCATTTCCAGAACCA	CGTCTGAATCAACCTTGTCG	[1]
12	<i>ACT1</i>	ATTCGGTGAGTAATCCTA	GTATAGTCCAGATAACAACA	[1]

References

1. Lobo, C.I.V.; Rinaldi, T.B.; Christiano, C.M.S.; de Sales Leite, L.; Barbugli, P.A.; Klein, M.I. Dual-species biofilms of *Streptococcus mutans* and *Candida albicans* exhibit more biomass and are mutually beneficial compared with single-species biofilms. *J. Oral Microbiol.* **2019**, *11*, 1581520. <https://doi.org/10.1080/20002297.2019.1581520>.
2. Balasubramanian, A.R.; Vasudevan, S.; Shanmugam, K.; Lévesque, C.M.; Solomon, A.P.; Neelakantan, P. Combinatorial effects of trans-cinnamaldehyde with fluoride and chlorhexidine on *Streptococcus mutans*. *J. Appl. Microbiol.* **2021**, *130*, 382–393. <https://doi.org/10.1111/jam.14794>.

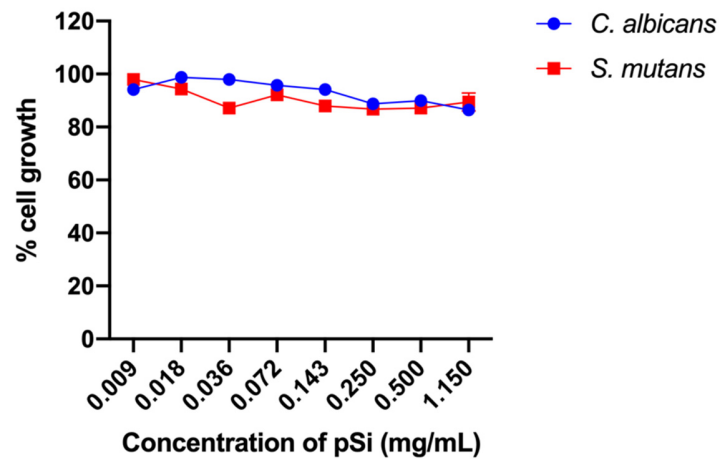


Figure S1.: Effect of the porous silicon on the planktonic growth of *S. mutans* and *C. albicans*. Concentrations ranging from 1.15-0.009 mg/ml were tested against the mono species cultures of *S. mutans* and *C. albicans*, the results showed that the pSi alone did not show any effect of the growth of the organisms when compared to control.

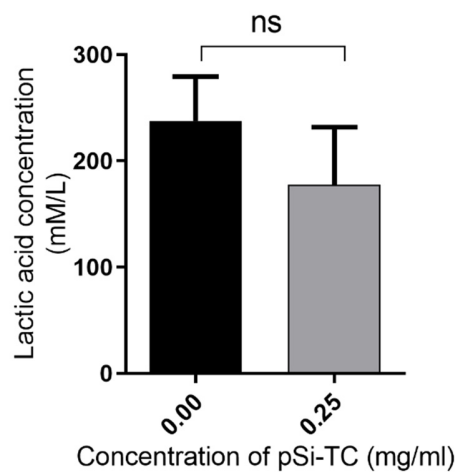


Figure S2.: Effect of pSi-TC on lactic acid accumulation. pSi-TC reduced lactic acid accumulation in dual-species biofilms by 25.11%, when compared to the control. ns denotes not significant $p > 0.05$.

Filename: pharmaceuticals-1781839-supplementary.docx
Directory: E:\7.7\pharmaceuticals-1793104
Template: C:\Users\MDPI\AppData\Roaming\Microsoft\Templates\Normal.
dotm
Title:
Subject:
Author: shanthini
Keywords:
Comments:
Creation Date: 7/6/2022 11:42:00 PM
Change Number: 9
Last Saved On: 7/7/2022 4:48:00 PM
Last Saved By: MDPI
Total Editing Time: 6 Minutes
Last Printed On: 7/7/2022 4:48:00 PM
As of Last Complete Printing
Number of Pages: 2
Number of Words: 284 (approx.)
Number of Characters: 1,990 (approx.)