

Supporting information

Antibacterial Activity of Propolis-Embedded Zeolite Nanocomposites for Implant Application

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Results

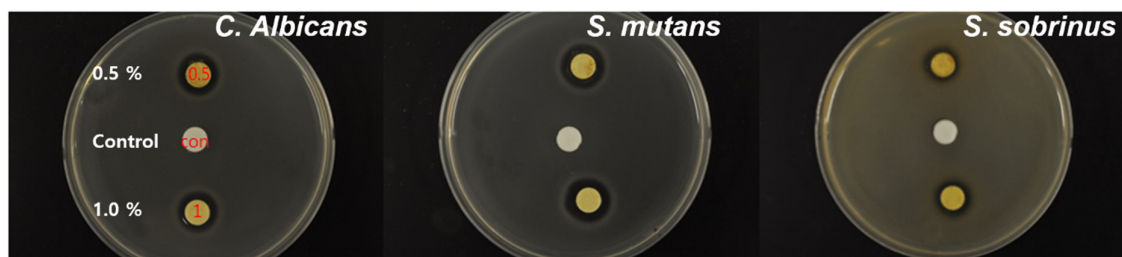


Figure S1. Antibacterial activity of propolis.

Table S1. Antibacterial activity of propolis.

	Inhibition zone (Dia, mm)		
	<i>C. albicans</i>	<i>S. mutans</i>	<i>S. sobrinus</i>
Control	-	-	-
0.5%	5.0 mm	6.0 mm	4.0 mm
1%	5.0	6.5	4.0

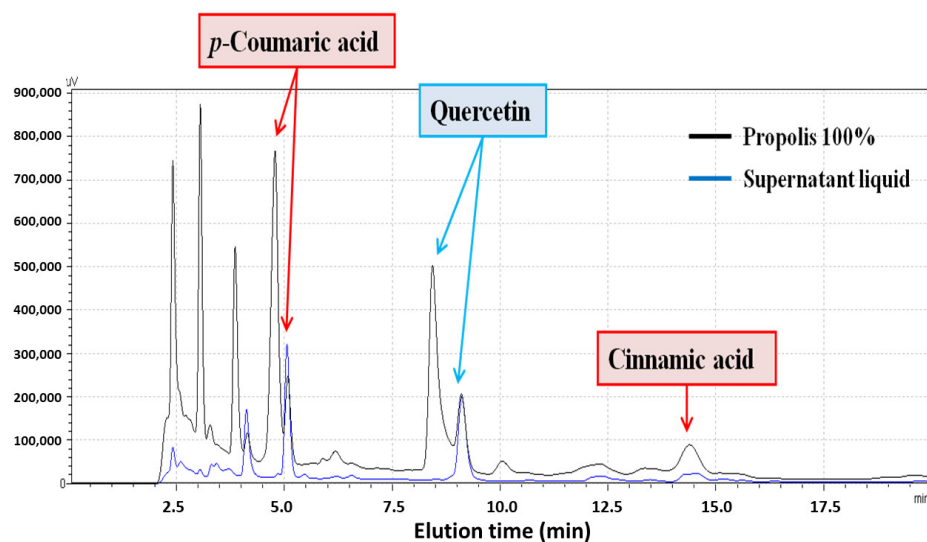


Figure S2. HPLC of propolis before (blue line) and after (black line) embedding into nanocomposites.

Table S2. Condition of compounding Propolis-embedded zeolite/PLA-PCL pellets of Figure 3.

Zone	C1	C2	C3	C4	C5	C6	C7	C8	C9	Adapter	Die
Temperature (°C)	120	135	135	140	145	145	150	150	160	160	160
Melt pressure = 1 kg/cm³						Temperature = 161 °C					
Main motor = 15 amp						Exturder-speed = 99.5 r/min					
Screw feeder = 10 rpm											

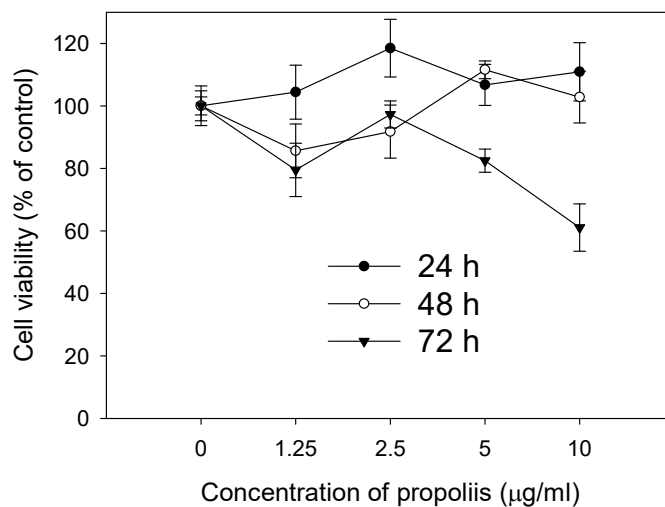


Figure S3. The effect of propolis on the viability of normal (HaKaT) cells.