

3D-Printed Biomaterials Testing in Response to Cryoablation

SUPPLEMENTARY MATERIALS

Supplementary Table S1. Statistical analysis of temperatures means between control and PMS under the biomaterial samples in D₁

Distance	Time	Biomaterial	Control mean (SD)	Biomaterial mean (SD)	pvalue
D ₁	0 s	Med_2.5 mm	8.3 (5.6)	0.6 (15.3)	0.382
	10 s	Med_2.5 mm	8.2 (5.5)	4.9 (9.4)	0.568
	15 s	Med_2.5 mm	7.9 (5.0)	5.2 (8.3)	0.590
	30 s	Med_2.5 mm	8.0 (4.2)	7.0 (8.9)	0.834
	0 s	Med_1.0 mm	8.3 (5.6)	-0.8 (15.5)	0.308
	10 s	Med_1.0 mm	8.2 (5.5)	3.9 (8.5)	0.437
	15 s	Med_1.0 mm	7.9 (5.0)	4.4 (8.1)	0.491
	30 s	Med_1.0 mm	8.0 (4.2)	5.0 (7.9)	0.526

	0 s	Tpu_2.5 mm	8.3 (5.6)	1.3 (10.5)	0.285
	10 s	Tpu_2.5 mm	8.2 (5.5)	3.5 (7.5)	0.352
	15 s	Tpu_2.5 mm	7.9 (5.0)	4.2 (6.8)	0.415
	30 s	Tpu_2.5 mm	8.0 (4.2)	5.1 (6.8)	0.488
	0 s	Tpu_1.0 mm	8.3 (5.6)	6.1 (10.7)	0.735
	10 s	Tpu_1.0 mm	8.2 (5.5)	6.7 (9.5)	0.800
	15 s	Tpu_1.0 mm	7.9 (5.0)	7.1 (8.7)	0.878
	30 s	Tpu_1.0 mm	8.0 (4.2)	7.3 (8.1)	0.883

For the p-value computation different thicknesses of biomaterials have been considered. The SD is the standard deviation of temperature measurements.

Supplementary Table S2. Statistical analysis of temperatures means between control and PMS under the biomaterial samples in D₂

Distance	Time	Biomaterial	Control mean (SD)	Biomaterial mean (SD)	pvalue
D ₂	0 s	Med_2.5 mm	21.9 (3.8)	23.7 (5.1)	0.594
	10 s	Med_2.5 mm	21.6 (3.4)	23.4 (5.1)	0.580
	15 s	Med_2.5 mm	21.6 (3.3)	23.1 (5.2)	0.628
	30 s	Med_2.5 mm	21.2 (3.2)	22.8 (5.3)	0.629
	0 s	Med_1.0 mm	21.9 (3.8)	23.1 (5.9)	0.743
	10 s	Med_1.0 mm	21.6 (3.4)	22.7 (6.0)	0.755
	15 s	Med_1.0 mm	21.6 (3.3)	22.6 (6.0)	0.780
	30 s	Med_1.0 mm	21.2 (3.2)	21.9 (5.9)	0.843
	0 s	Tpu_2.5 mm	21.9 (3.8)	23.8 (3.5)	0.495
	10 s	Tpu_2.5 mm	21.6 (3.4)	23.6 (3.5)	0.451

	15 s	Tpu_2.5 mm	21.6 (3.3)	23.4 (3.5)	0.477
	30 s	Tpu_2.5 mm	21.2 (3.2)	22.8 (3.5)	0.529
	0 s	Tpu_1.0 mm	21.9 (3.8)	26.0 (2.9)	0.137
	10 s	Tpu_1.0 mm	21.6 (3.4)	25.5 (3.2)	0.145
	15_s	Tpu_1.0 mm	21.6 (3.3)	25.4 (3.1)	0.142
	30 s	Tpu_1.0 mm	21.2 (3.2)	25.2 (2.9)	0.117

For the p-value computation different thicknesses of biomaterials have been considered. The SD is the standard deviation of temperature measurements.