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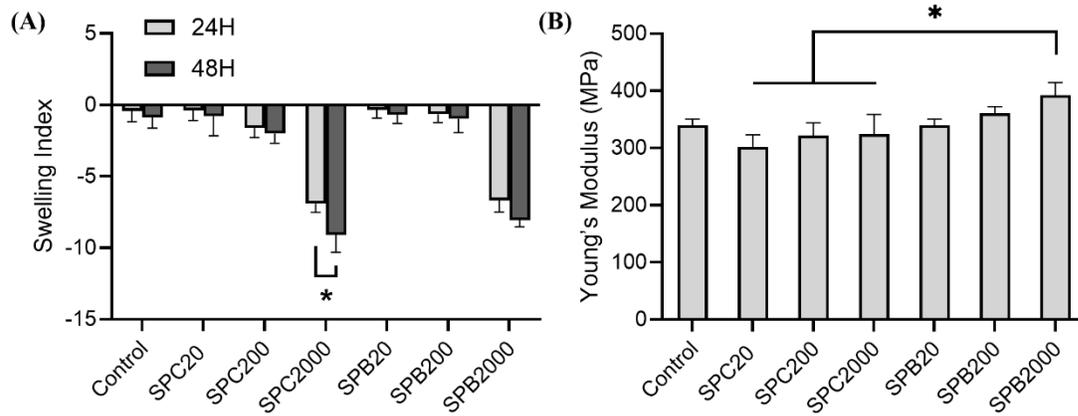
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SUPPORTING INFORMATION



Supplementary Figure 1. (A) Swelling index after 24- and 48-hours (B) Young's modulus from tensile testing (mean \pm SD; N = 3, *P<0.05).



Supplementary Figure 2: Representative photographs of wound appearance in an untreated ischemic wound (control), and an ischemic wound treated with SPB 200mg, SPB 2000mg, SB 2000mg, or SB 200mg.

Supplementary Table 1. A summary wound closure of treated ischemic wounds (N=8 per group and per timepoint, mean, standard deviation and 95% confidence interval). Values in red have confidence intervals that do not overlap with controls.

	Control			SB200			SB2000			SPB200			SPB2000		
	Mean (%)	SD	95% CI	Mean (%)	SD	95% CI	Mean (%)	SD	95% CI	Mean (%)	SD	95% CI	Mean (%)	SD	95% CI
Day 0	0.0	0.0	[0-0]	0.0	0.0	[0-0]	0.0	0.0	[0-0]	0.0	0.0	[0-0]	0.0	0.0	[0-0]
Day 2	9.3	2.8	[7.4-11.2]	8.3	3.5	[5.9-10.8]	11.4	7.4	[6.3-16.6]	20.7	8.3	[15.0-26.5]	28.9	5.5	[25.1-32.7]
Day 4	16.8	4.6	[13.6-19.9]	19.0	5.2	[15.4-22.6]	26.0	4.1	[23.2-28.9]	34.6	10.3	[27.4-41.7]	39.3	8.5	[33.4-45.2]
Day 6	37.7	4.2	[34.8-40.6]	41.0	5.8	[37.0-45.0]	42.5	7.4	[37.4-47.7]	48.0	11.8	[39.9-56.2]	53.9	9.7	[47.2-60.7]
Day 8	54.8	5.3	[51.1-58.4]	50.4	8.1	[44.8-56.0]	56.5	10.9	[48.9-64.0]	67.2	10.8	[59.6-74.7]	66.5	7.5	[61.3-71.7]
Day 10	67.2	8.8	[61.1-73.3]	67.5	11.5	[59.6-75.5]	79.7	15.1	[69.3-90.2]	87.5	6.3	[83.2-91.9]	89.0	7.6	[83.8-94.2]
Day 14	74.8	8.9	[68.7-81.0]	78.6	12.3	[70.1-87.1]	88.8	9.1	[82.5-95.1]	96.4	3.3	[94.1-98.7]	91.6	8.2	[85.9-97.3]
Day 17	87.4	6.8	[82.7-92.1]	86.9	8.4	[81.1-92.7]	92.7	6.6	[88.1-97.2]	96.7	5.0	[93.3-100.02]	96.3	5.2	[92.7-99.9]