

## Supplementary Materials

# An Innovative Arteriovenous (AV) Loop Breast Cancer Model Tailored for Cancer Research

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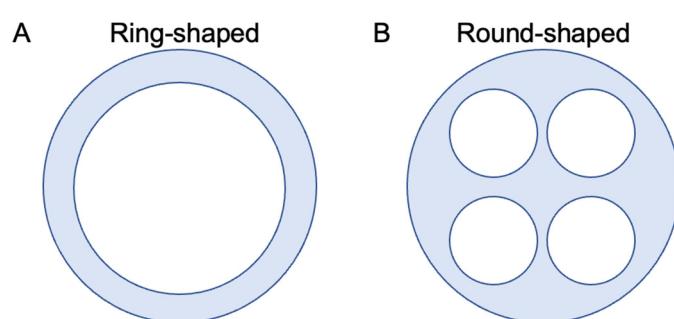
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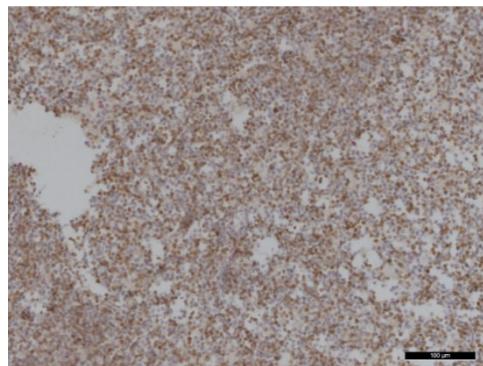
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**Figure S1.** Schematic diagram of the ring- and round-shaped constructs.



**Figure S2.** Representative image of CD3 immunohistochemical staining on rat blood cells. Scale bar 100  $\mu\text{m}$ .

**Table S1.** Construct compositions and cell numbers for *in vivo* implantation.

	Construct composition	HTB-26 cell number
Control	alginate-fibrin capsules	none
Alginate-fibrin	alginate-fibrin capsules	$5 \times 10^6$
PCL	6 x PCL scaffolds, alginate-fibrin	$3 \times 10^5$ /scaffold 1 week before implantation
Fibrin	Fibrin	$5 \times 10^6$