

Experimental Material	Composition	Resistivity (kΩ cm)	Source
PCL		∞	Spearman et al, 2015*
PPy-PCL		1.00 ± 0.40	Spearman et al, 2015*
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Body Tissue			
Cardiac muscle		0.50	[1]
Skeletal muscle		0.70	[1]
Adipose tissue		2.60	[1]
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Conductive Polymer Systems			
PCL/PANi	80:20	12.50	[2]
aniline-dimer end-functionalized PU		100.00	[3]
PANi/gelatin fibers	60:40	0.05	[4]
PPy-PCL/gelatin	30:70	2.70	[5]
PLCL/PANi	70:30	> 0.01	[6]
PANi/PLGA fiber matrix	0.5%/8%	0.32	[7]
PANi/PGS	30:70	0.06	[8]

\* signifies the materials synthesized and used in this study