<table>
<thead>
<tr>
<th>Experimental Material</th>
<th>Composition</th>
<th>Resistivity (kΩ cm)</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCL</td>
<td></td>
<td>∞</td>
<td>Spearman et al, 2015*</td>
</tr>
<tr>
<td>PPy-PCL</td>
<td></td>
<td>1.00 ± 0.40</td>
<td>Spearman et al, 2015*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Body Tissue</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiac muscle</td>
<td></td>
<td>0.50</td>
<td>[1]</td>
</tr>
<tr>
<td>Skeletal muscle</td>
<td></td>
<td>0.70</td>
<td>[1]</td>
</tr>
<tr>
<td>Adipose tissue</td>
<td></td>
<td>2.60</td>
<td>[1]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Conductive Polymer Systems</th>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PCL/PANI</td>
<td>80:20</td>
<td>12.50</td>
<td>[2]</td>
</tr>
<tr>
<td>aniline-dimer end-functionalized PU</td>
<td></td>
<td>100.00</td>
<td>[3]</td>
</tr>
<tr>
<td>PANi/gelatin fibers</td>
<td>60:40</td>
<td>0.05</td>
<td>[4]</td>
</tr>
<tr>
<td>PPy-PCL/gelatin</td>
<td>30:70</td>
<td>2.70</td>
<td>[5]</td>
</tr>
<tr>
<td>PLCL/PANI</td>
<td>70:30</td>
<td>&gt; 0.01</td>
<td>[6]</td>
</tr>
<tr>
<td>PANi/PLGA fiber matrix</td>
<td>0.5%/8%</td>
<td>0.32</td>
<td>[7]</td>
</tr>
<tr>
<td>PANi/PGS</td>
<td>30:70</td>
<td>0.06</td>
<td>[8]</td>
</tr>
</tbody>
</table>

* signifies the materials synthesized and used in this study