### ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>AFM</td>
<td>Atomic Force Microscopy</td>
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<tr>
<td>ACD</td>
<td>Acid Citrate Dextrose</td>
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<tr>
<td>CFU</td>
<td>Colony Forming Unit</td>
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<tr>
<td>CZB</td>
<td>Chitosan hydrogel/nZnO composite bandage</td>
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<tr>
<td>DAPI</td>
<td>4, 6-Diamidino-2-phenylindole</td>
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<tr>
<td>DLS</td>
<td>Dynamic Light Scattering</td>
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<tr>
<td>E.coli</td>
<td><em>Escherichia Coli</em></td>
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<tr>
<td>ETO</td>
<td>Ethylene Oxide</td>
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<tr>
<td>FACS</td>
<td>Fluorescence Activated Cell Sorter</td>
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<tr>
<td>FBS</td>
<td>Foetal Bovine Serum</td>
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<tr>
<td>FTIR</td>
<td>Fourier Transform Infrared Spectroscopy</td>
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<tr>
<td>H&amp;E</td>
<td>Hematoxylin &amp; Eosin</td>
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<tr>
<td>HDF</td>
<td>Human Dermal Fibroblast Cells</td>
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<tr>
<td>IR</td>
<td>Infrared</td>
</tr>
<tr>
<td>IL-6</td>
<td>Interleukin 6</td>
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<tr>
<td>IL-10</td>
<td>Interleukin 10</td>
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<tr>
<td>IFN-γ</td>
<td>Interferon-Gamma</td>
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<tr>
<td>IAEC</td>
<td>Institutional Animal Ethical Committee</td>
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<tr>
<td>ICP-OES</td>
<td>Inductively Coupled Plasma Optical Emission Spectrometry</td>
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<tr>
<td>JCPDS</td>
<td>Joint Committee on Powder Diffraction Standards</td>
</tr>
<tr>
<td>kDa</td>
<td>Kilo Daltons</td>
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<tr>
<td>MPa</td>
<td>Mega Pascal</td>
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<tr>
<td>M</td>
<td>Molar</td>
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<tr>
<td>µm</td>
<td>Micrometer</td>
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<tr>
<td>mL</td>
<td>Milliliter</td>
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<tr>
<td>nm</td>
<td>Nanometer</td>
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<tr>
<td>nZnO</td>
<td>Zinc oxide nanoparticle</td>
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<tr>
<td>PBS</td>
<td>Phosphate Buffered Saline</td>
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<tr>
<td>Abbreviation</td>
<td>Meaning</td>
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<tr>
<td>pH</td>
<td>Potenz Hydrogen</td>
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<tr>
<td>PDGF</td>
<td>Platelet Derived Growth Factor</td>
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<tr>
<td>RPM</td>
<td>Rotations Per Minute</td>
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<tr>
<td>RBC</td>
<td>Red Blood Cell</td>
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<tr>
<td>ROS</td>
<td>Reactive Oxygen Species</td>
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<tr>
<td>SEM</td>
<td>Scanning Electron Microscopy</td>
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<tr>
<td><em>S. aureus</em></td>
<td><em>Staphylococcus aureus</em></td>
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<tr>
<td>SD</td>
<td>Sprague-Dawley</td>
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<tr>
<td>TM</td>
<td>Trade Mark</td>
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<tr>
<td>TNF</td>
<td>Tumor Necrosis Factor</td>
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<tr>
<td>UV</td>
<td>Ultra-Violet</td>
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<tr>
<td>XRD</td>
<td>X-ray Diffractometer</td>
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<tr>
<td>%T</td>
<td>Percentage Transmittance</td>
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