

Supporting Materials

A Highly Specific Graphene Platform for Sensing Collagen Triple Helix

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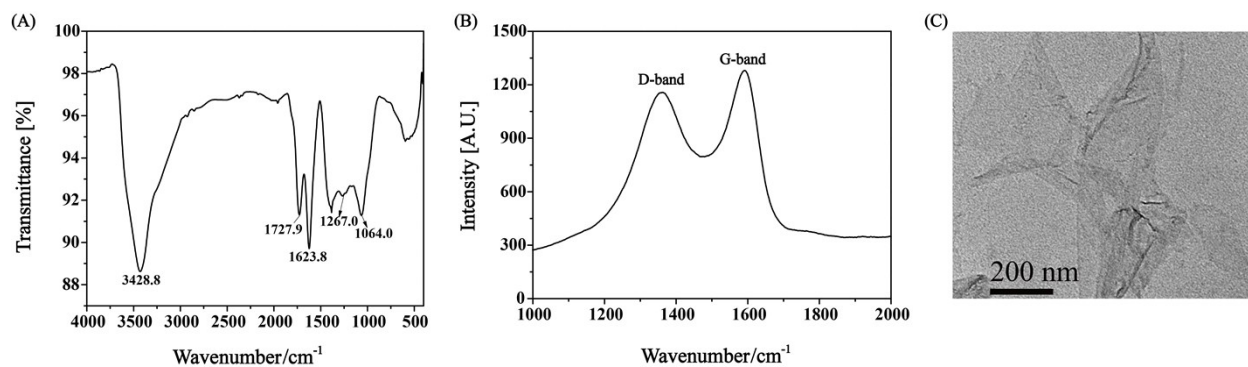


Figure S1. Characterization of GO. FTIR spectrum (A), Raman spectrum (B) and TEM image (C) were measured for GO. The FTIR spectrum showed the characteristic vibrations of GO: 3428.8 cm⁻¹ (O-H bond), 1727.9 cm⁻¹ (C=O bond), 1623.8 cm⁻¹ (the bonds of the unoxidized graphitic skeletal domains), and 1064 cm⁻¹ (C-O bond). The Raman spectrum displayed a strong peak corresponding to the vibration of sp²-bonded carbon atoms (G band) and another strong peak resulting from the vibration of carbon atoms with dangling bonds (D band). The TEM image showed a typical layered structure of GO.