

## Supporting Information

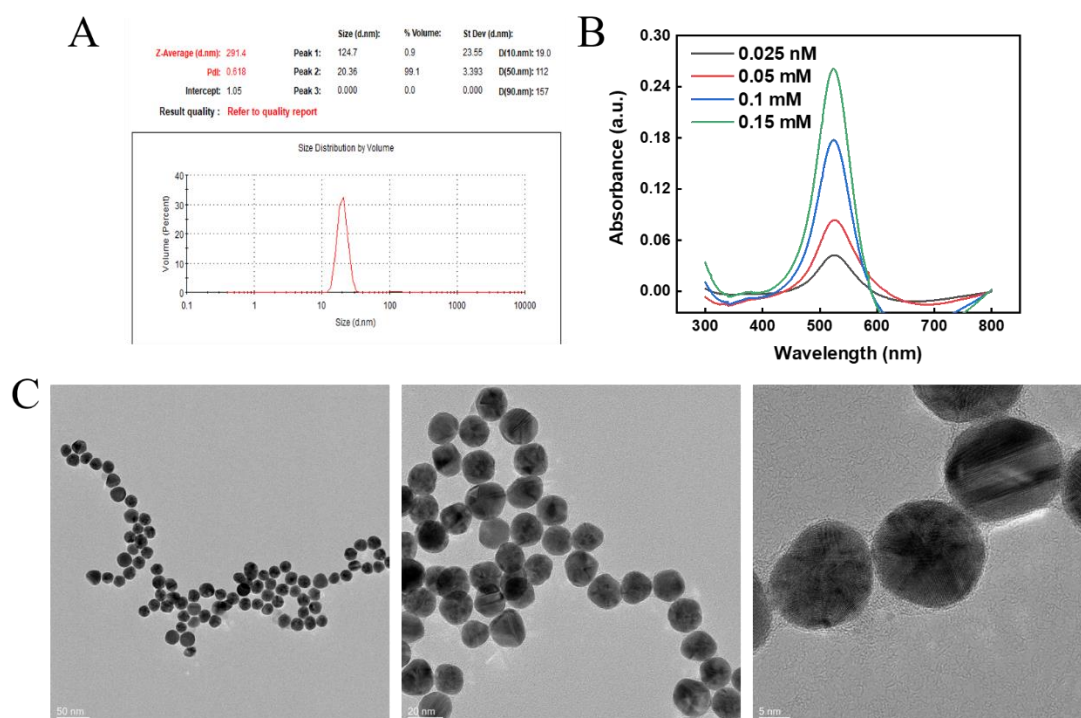
### Gold Nanoparticle-Enhanced Radio-Fluorogenic Hydrogel Sensor for Low Radiation Dose in Clinical Radiotherapy

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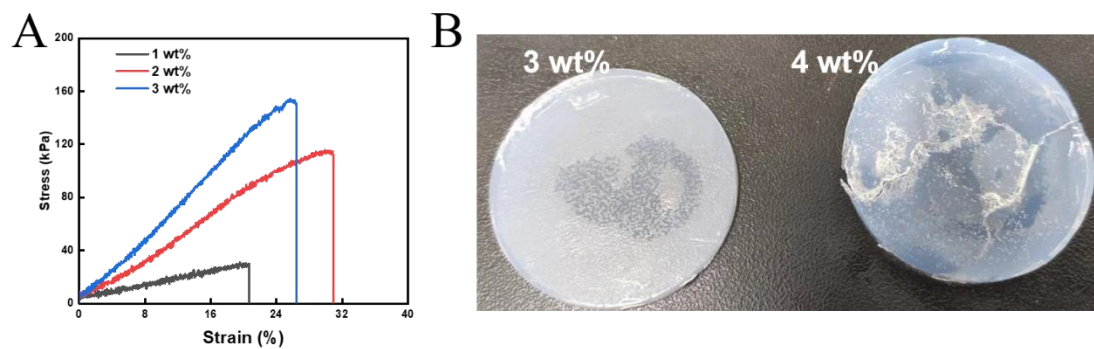
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**Supplementary Figure S1.** Relevant characterisation of the synthesised GNPs. A: Dynamic light scattering from GNPs. B: UV-vis on spectra of different concentrations of GNPs. C: TEM image of GNPs.



**Figure S2.** Effect of mass fraction of agarose hydrogels on gel properties. A: Stress-strain curve of hydrogels with different mass fractions. B: The digital photos of gels with a mass fraction of 3% and 4% after demoulding, respectively.