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## Supporting Information

### Identification of multi-functional graphene-gold nano composite for environment-friendly enriching, separating and detecting $\text{Hg}^{2+}$ simultaneously

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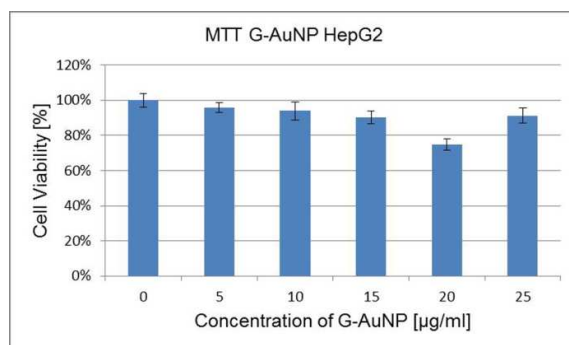
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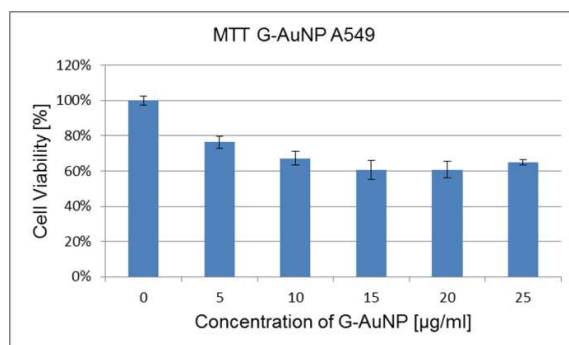
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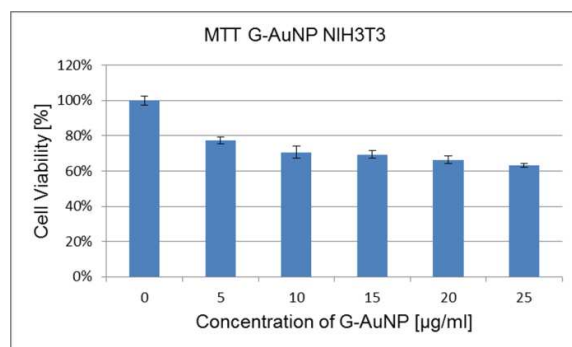
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**Figure S1** Cytotoxicity of G-AuNPs to a series of mammalian cell lines of HepG2



**Figure S2** Cytotoxicity of G-AuNPs to a series of mammalian cell lines of A549



**Figure S3** Cytotoxicity of G-AuNPs to a series of mammalian cell lines of NIT3T3