Supplementary Information

Figure S1. Cytotoxicity assessment of Hela cells exposed to MWNTs, PG, S160 and P90 (denoted by 1, 2, 3 and 4, respectively) in serum-free medium with or without phenol red by trypan blue exclusion assay. All data shown are the mean values of three experiments \pm SEM.

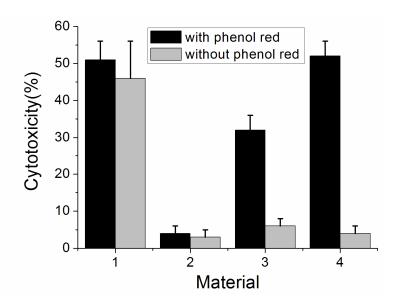


Figure S2. Cytotoxicity assessment of Hela cells exposed to MWNTs and P90 (denoted by 1 and 2, respectively) in complete cell culture medium with or without phenol red. All data shown are the mean values of three experiments \pm SEM.

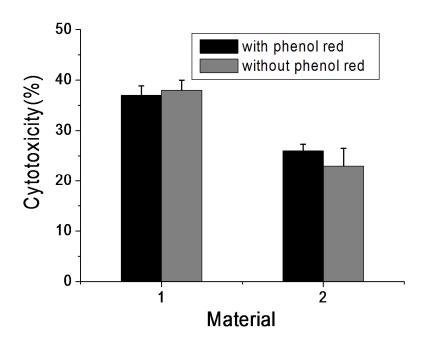


Figure S3. HPLC chromatogram of a mixture of free ¹²⁵I and ¹²⁵I-phenol red. The mobile phase was 0.1% trifluoroacetyl/acetonitrile gradient at flow rate of 1 mL/min. The UV absorption was monitored at 254 nm. Free iodine ions appeared at 2.84 minutes and ¹²⁵I-phenol red appeared at 13.99 minutes.

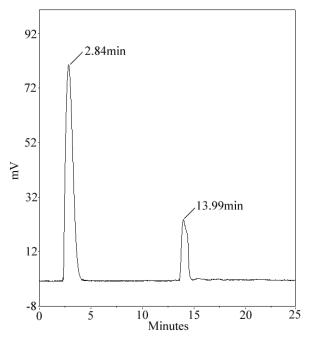
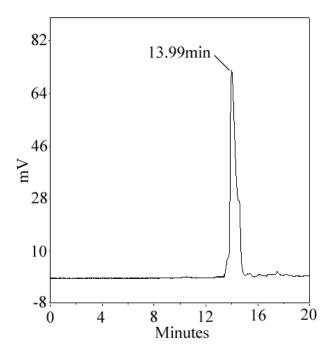


Figure S4. HPLC chromatogram of ¹²⁵I-phenol red. ¹²⁵I-phenol red appeared at 13.99 minutes with a peak area ratio of 100%.



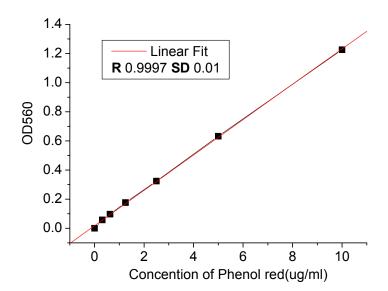
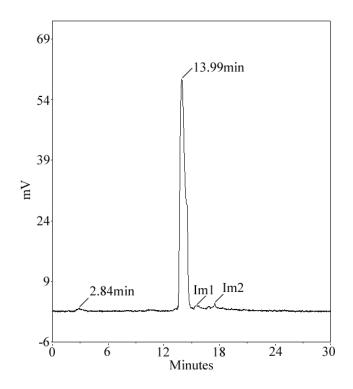


Figure S5. Standard curve of phenol red in culture medium.

Figure S6. HPLC chromatogram of ¹²⁵I-phenol red after incubating in serum-free cell culture medium for 8 h. ¹²⁵I-phenol red appeared at 13.99 minutes with a peak area ratio of 98 % and free iodine ions appeared at 2.84 minutes with a peak area ratio of 0.5%. Im1 and Im2 are impurities.



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