

A DOX-loaded polymer micelle for effectively inhibiting cancer cells

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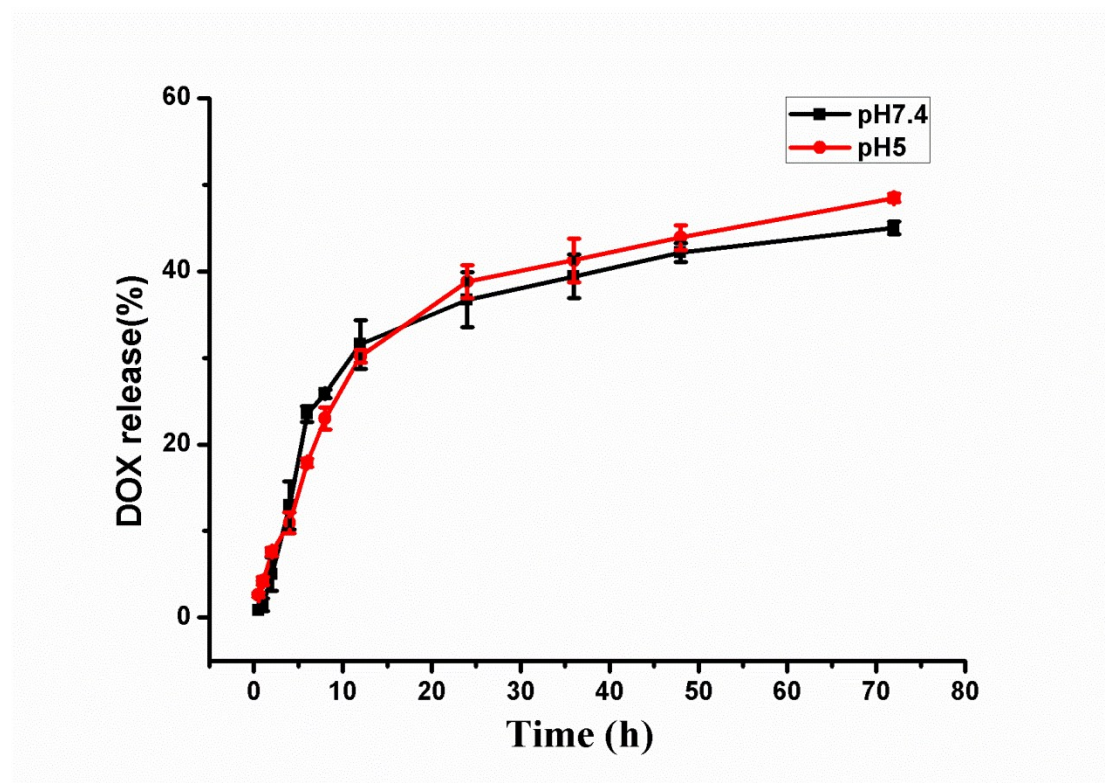
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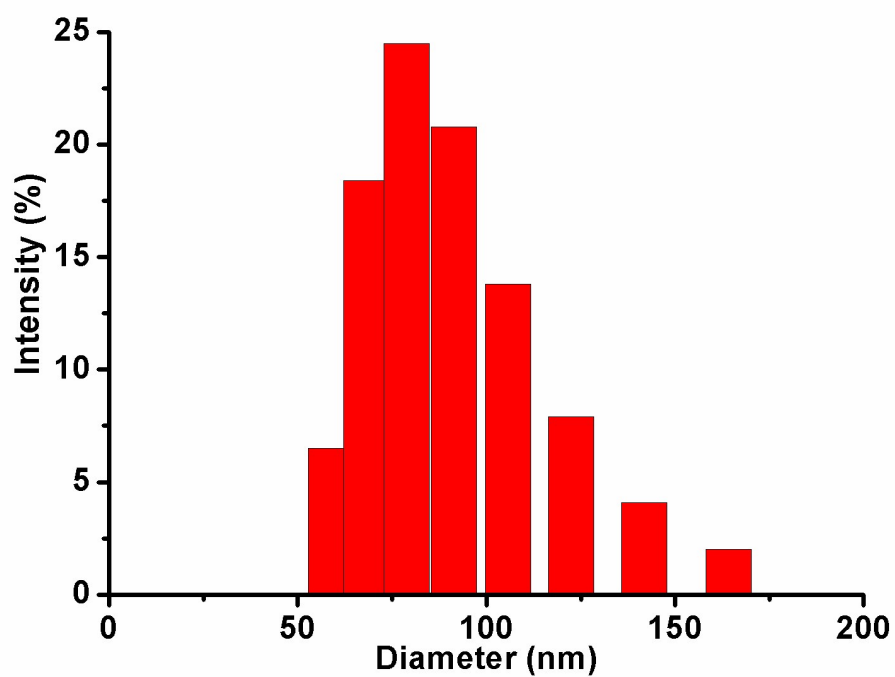
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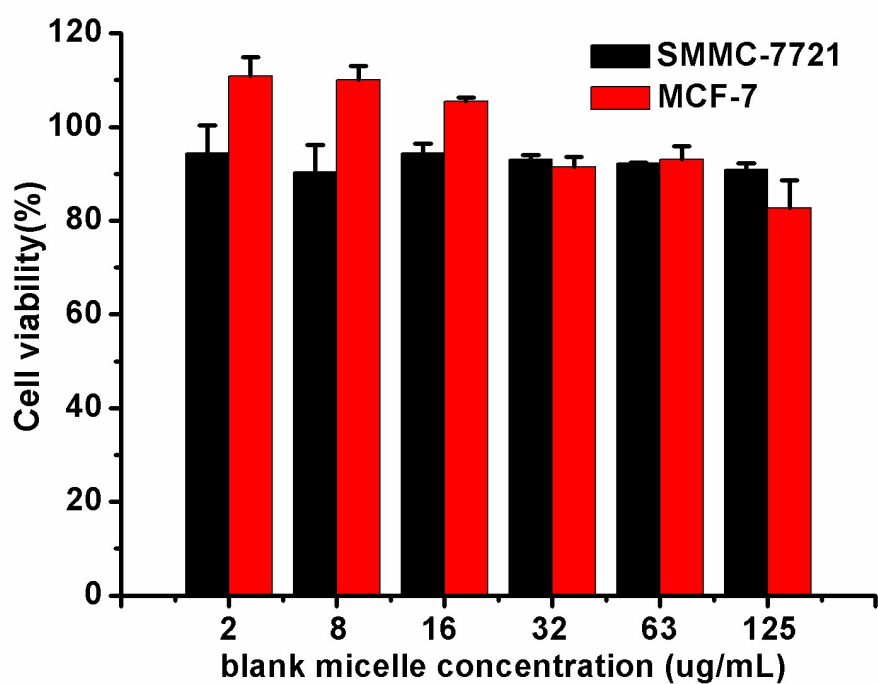


ESI Fig. 1† in vitro DOX release profiles of drug-loaded micelle at 37 °C in PBS solutions at pH 7.4 and 5.0

We did this experiment for three times, and found little difference between pH 7.4 and pH 5.0. It may be explained by the following two reasons. First, there is no acid-sensitive group in this polymer, so the drug release is insensitive to the changes in pH. Second, because the sensitivity of the measurement equipment, measurement errors may occur, and these errors are greater than the range of drug release changes.



ESI Fig. 2† The size distribution of the DOX-loaded micelles



ESI Fig. 3† Cytotoxicity of SMMC-7721 and MCF-7 cells incubated with blank micelle. Data were detected by CCK8 assay. Incubation time: 48 h