

## Supplementary Materials

# Development of a Polymersome-Based Nanomedicine for Chemotherapeutic and Sonodynamic Combination Therapy

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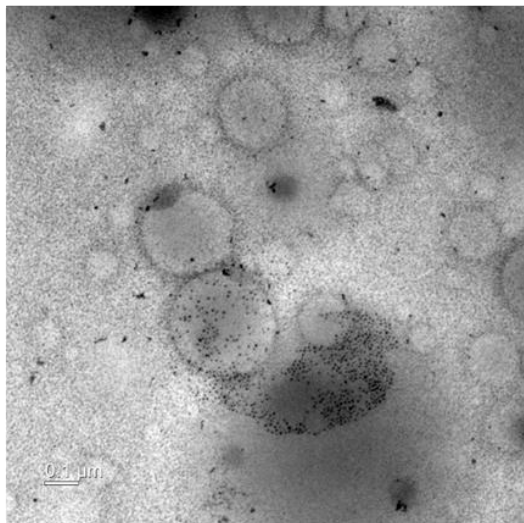
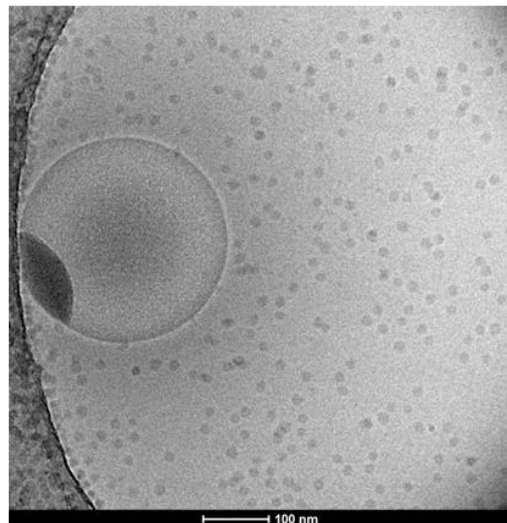
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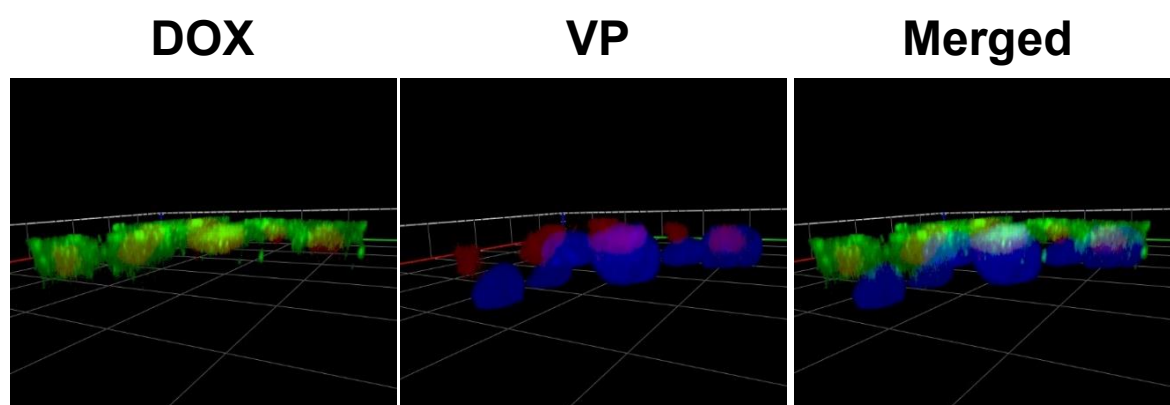
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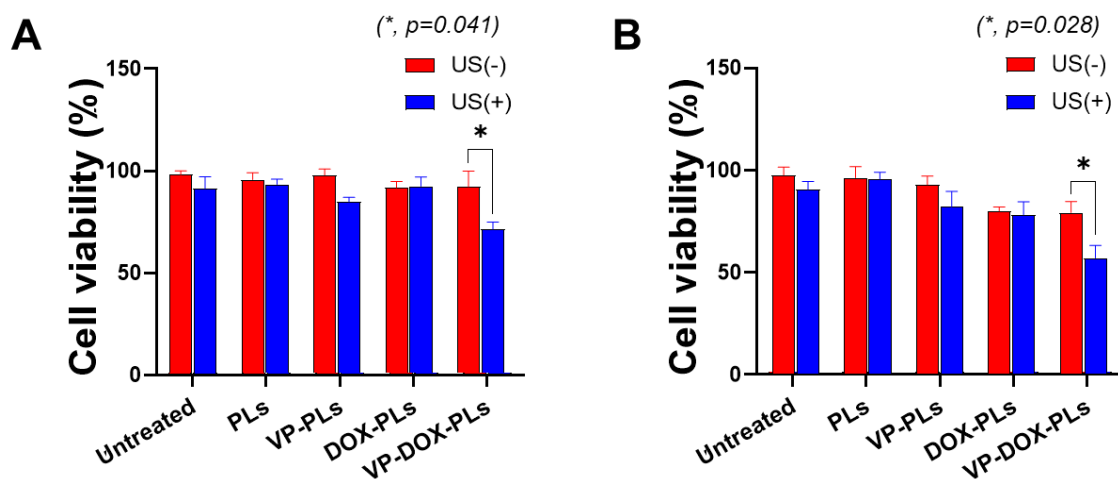
† These authors contributed equally to this work.

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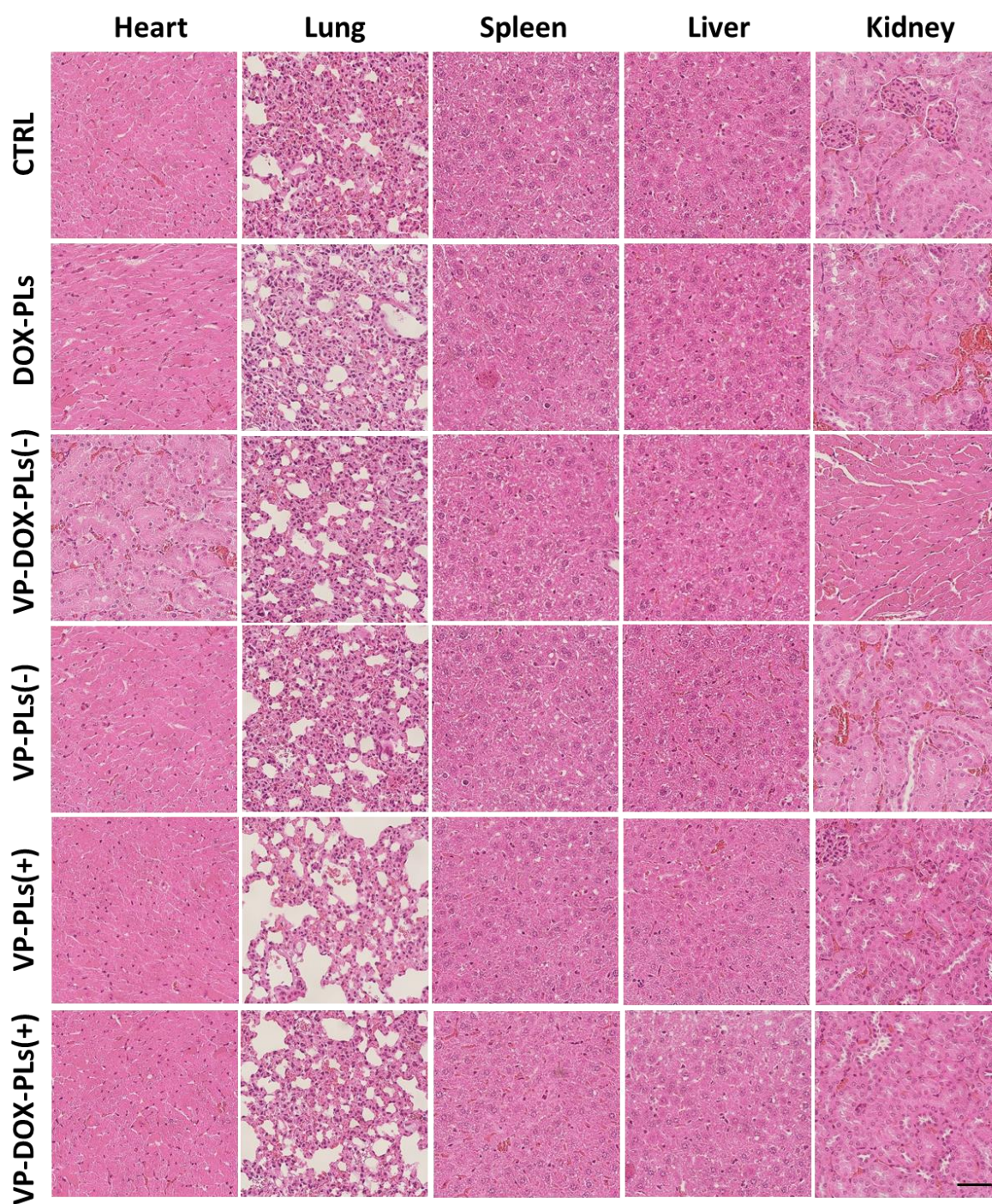
**Figure S1.** (A) TEM images of VP-DOX-PLs using gold nanoparticles (B) Cryo-EM image of VP-DOX-PLs



**Figure S2.** 3D stacking images of VP-DOX-PLs. (40x magnification)



**Figure S3.** Cytotoxicity of VP-DOX-PLs compared with other groups with and without US. US was applied with a power of  $0.3\text{W}/\text{cm}^2$  and duty cycle of 50% for 10 seconds per well. Asterisk (\*) means P value less than 0.001 compared with all other groups ( $P<0.001$ ) after (A) 3h and (B) 6h



**Figure S4.** Histopathological examination of various treatment groups. H&E staining of normal organs from tumor-bearing nude mice treated with various treatment groups. Scale bar indicates 40  $\mu\text{m}$ .