Supplementary Information (SI) for Lab on a Chip. This journal is © The Royal Society of Chemistry 2025

## **Supplementary Information**

A Tumor Spheroid Array Chip for High-Fidelity Evaluation of Liposomal Drug Delivery Through the EPR Effect

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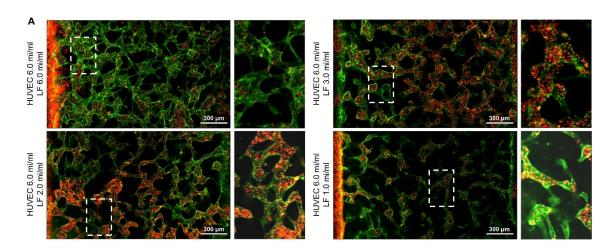


Figure S1. Robust formation of perfusable vascular networks under optimized co-culture conditions in the TSA-Chip. (A) Fluorescence images showing vascular network morphology under varying lung fibroblast (LF) concentrations, with HUVECs fixed at  $6.0 \times 10^6$  cells/mL. Vessels were labeled with lectin (green), and LFs were visualized with a red cell tracker. White dashed boxes indicate regions shown at higher magnification. Scale bars: 300  $\mu$ m.