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Supplementary information

On-chip anticancer drug test of regular tumor spheroids formed in microwells by distributive microchannel network

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Supplementary Figure

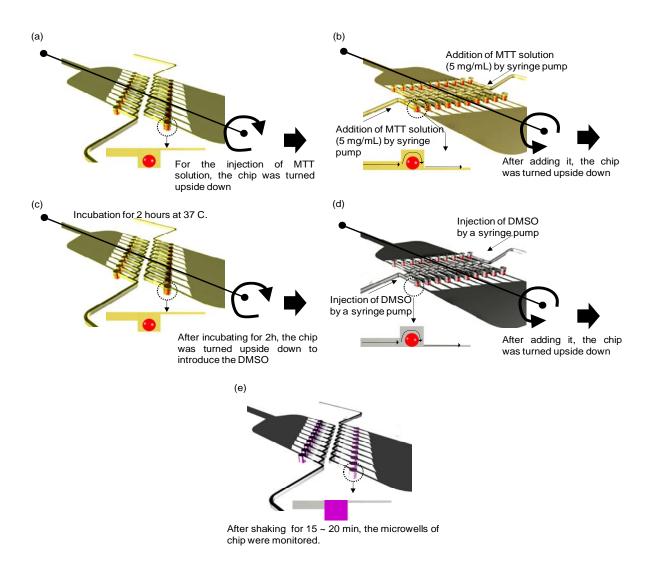


Figure S1. MTT assay in the chip

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Cell viability was assessed by the MTT assays after anticancer drug treatment. (a) The chip was turned upside down to efficiently remove the media and replace with the MTT solution (5 mg/mL; Sigma). (b) The MTT solution was added through microfluidic channel by the syringe pump. (c) The chip was incubated for 2 hours at 37 C, and after incubating for 2 hours, the chip was turned upside down again. (d) The MTT solution was replaced with DMSO to dissolve the MTT tetrazolium dye. (e) After shaking for 15 ~ 20 min, color intensity of the images of microwell was quantified by MATLAB.