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1 Electronic Supplementary Information (ESI)

One-step Generation of Cell-laden Microgels Using Double Emulsion Drops with a Sacrificial Ultra-thin Oil Shell

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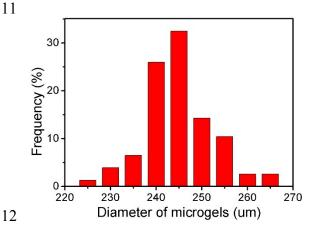


Fig. S1. Size distribution of cell-laden microgels.

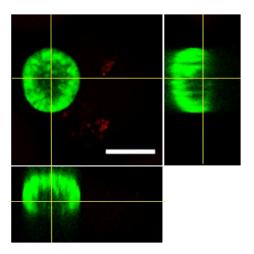


Fig. S2. Representative fluorescent microscopic image showing cyst formed by MDCK cells after 7days of 3D culture in GelMA microgels. Orthogonal view showing three-dimensionally the cyst structure with a multi-cell thick shell and a central lumen.

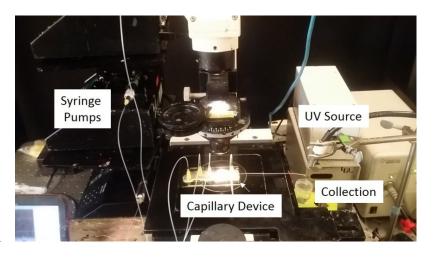


Fig. S3. Experimental setup of the proposed one-step microfliuidic technique for continuous
production of microgels.