Supplementary Information

Micro-cavities on PDMS microchannel replicated from sandpaper templates trap cells to enhance cell adhesion and proliferation

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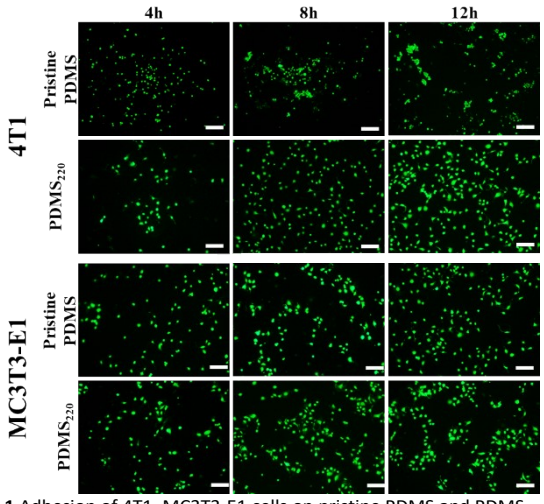
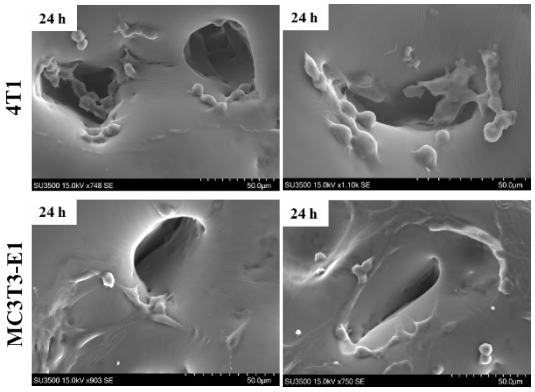
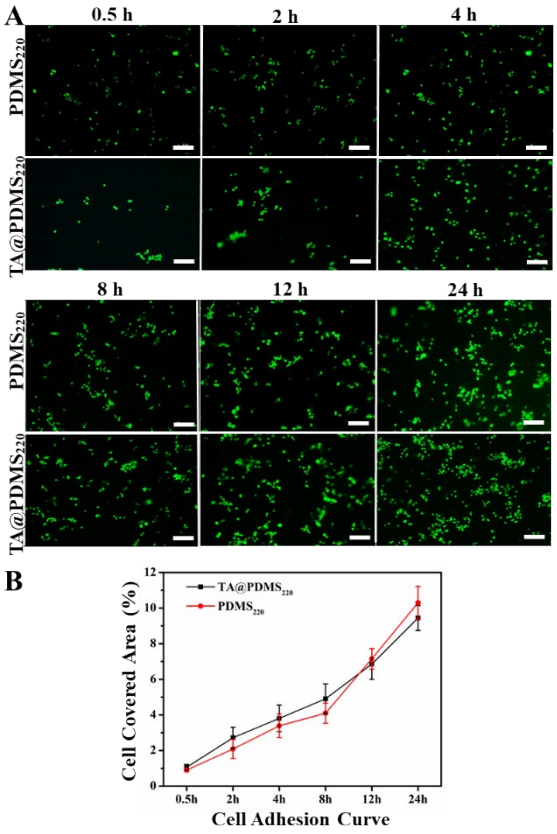
Supplementary information



s.Figure 1 Adhesion of 4T1, MC3T3-E1 cells on pristine PDMS and $PDMS_{220}$. $1x10^4$ cells were cultured on various PDMS substrates for different times, microscope images of the adherent cells stained by Calcein-AM (green), scale bar: 200 μm.



s.Figure 2 SEM characterized cells grown on $PDMS_{220}$. 4T1, MC3T3-E1 cells were cultured on $PDMS_{220}$ for 24 h. The samples were treated by 4% paraformaldehyde and dehydrated in ethanol.



s.Figure 3 Adhesion of HepG2 cells on $PDMS_{220}$ and TA@$PDMS_{220}$. A) $1x10^4$ HepG2 cells were cultured on various PDMS substrates for different times, and the adherent cells were stained by Calcein-AM (green), scale bar: 200 μm. B) Quantification of cell adhesion by the particle analysis function of ImageJ software.

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