biosensors

MDPI

Supplementary Materials

Pressure-free assembling of poly(methyl methacrylate) microdevices via microwave-assisted solvent bonding and its biomedical applications

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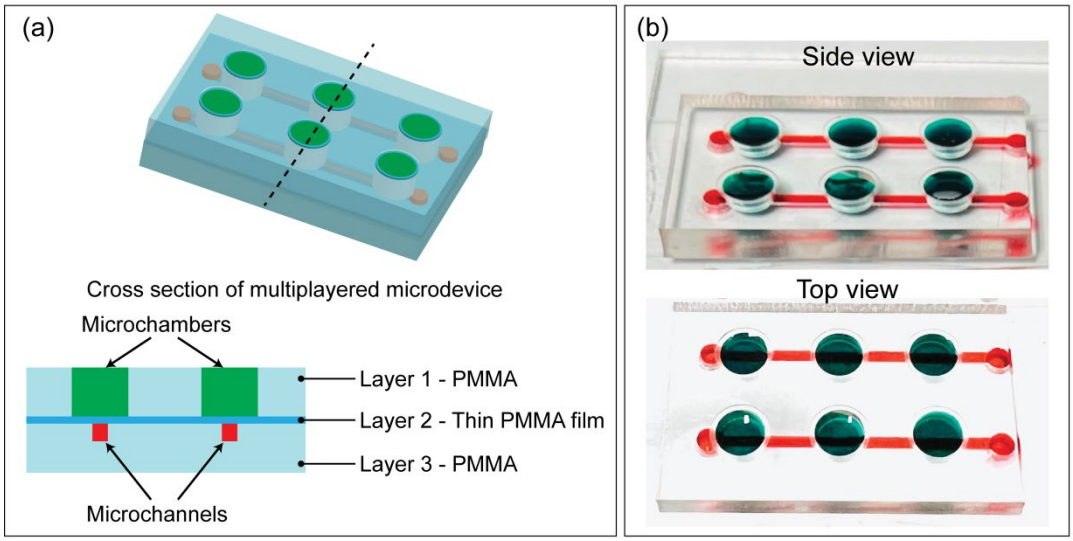

Figure S1. Multilayer bonding of a PMMA microdevice by acetic acid and microwave treatment. (**a**) Illustration of the device design where PMMA layers 1-3 are bonded to form top microchambers and bottom microchannels separated by a thin PMMA film in the middle. (**b**) Pictures of the fabricated multilayered PMMA microdevice with inks loaded.

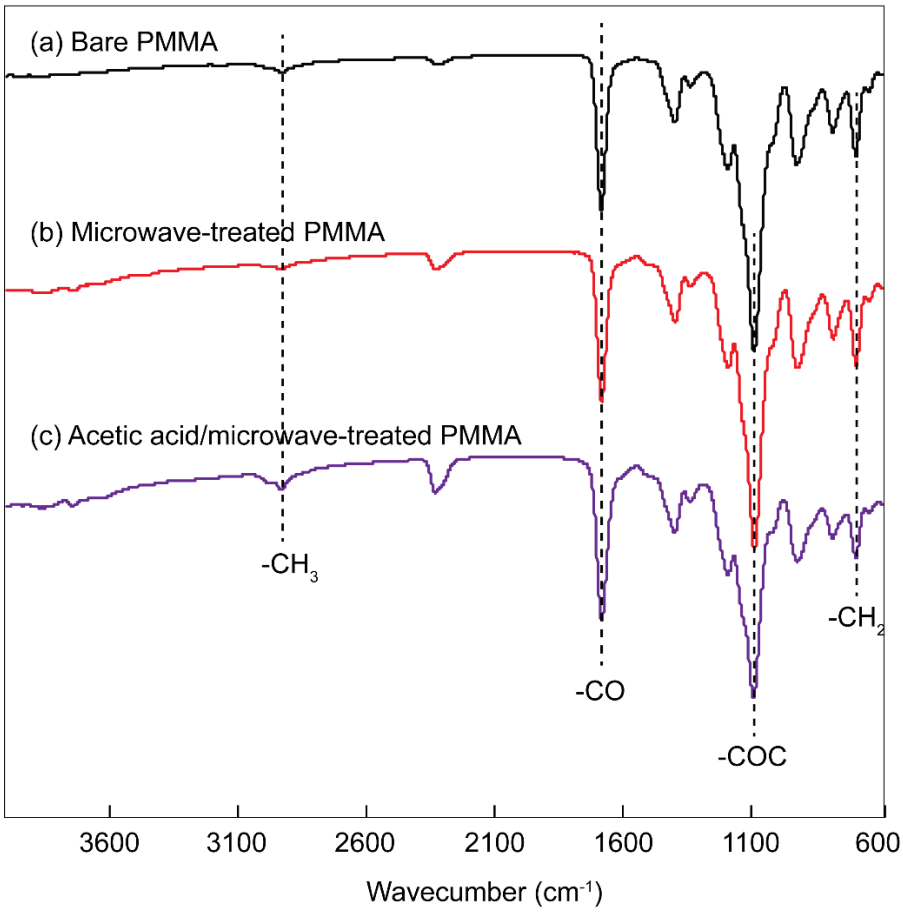

Figure S2. Comparative FTIR spectra of bare PMMA, microwave-treated PMMA, and acetic acid/microwave-treated PMMA.