Thermoset polyester droplet-based microfluidic devices for high frequency generation

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Supporting Information

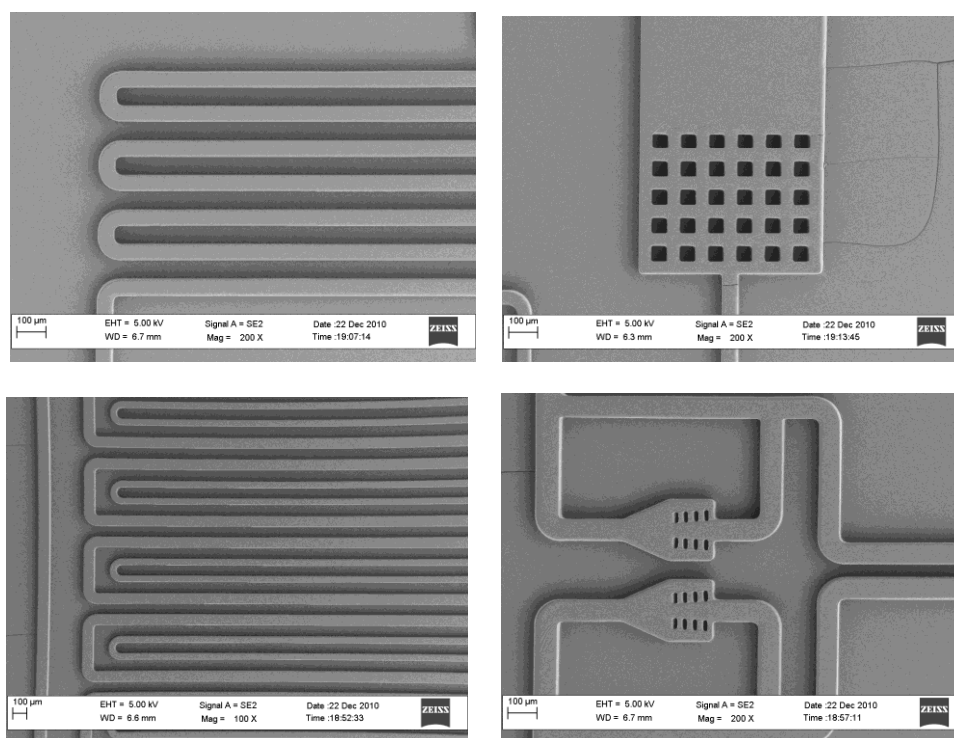| Figure S1	SEM images of TPE micro-pattern (a) 50μm channels, (b) 50μm square patterns, (c) 50μm and 100μm width channels and (d) 15μm width pillar pattern on TPE replicated from PDMS mould.
Figure S2	(a) The fabricated TPE droplet device and (b) the flow-focusing configuration used in this study (droplet generation in the small picture)
Figure S3	Droplet generation using FC 70 oil (a) 1733Hz generation with constant size of droplets (20μl/min water-250μl/min oil) (b) the fluctuating laminar segment due to the high capillary number (50μl/min water-250μl/min oil)

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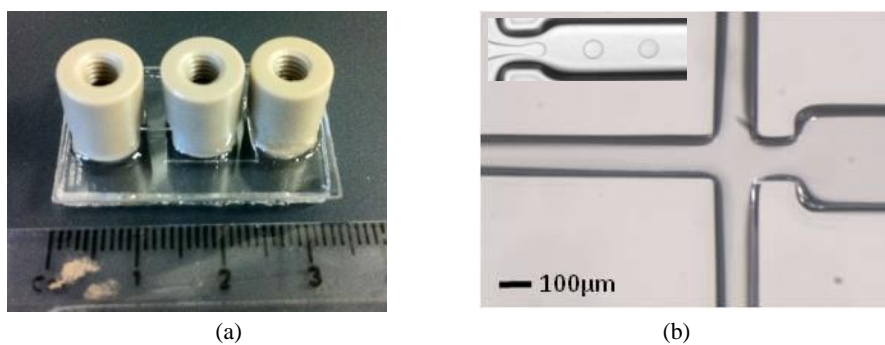
(a)	(b)

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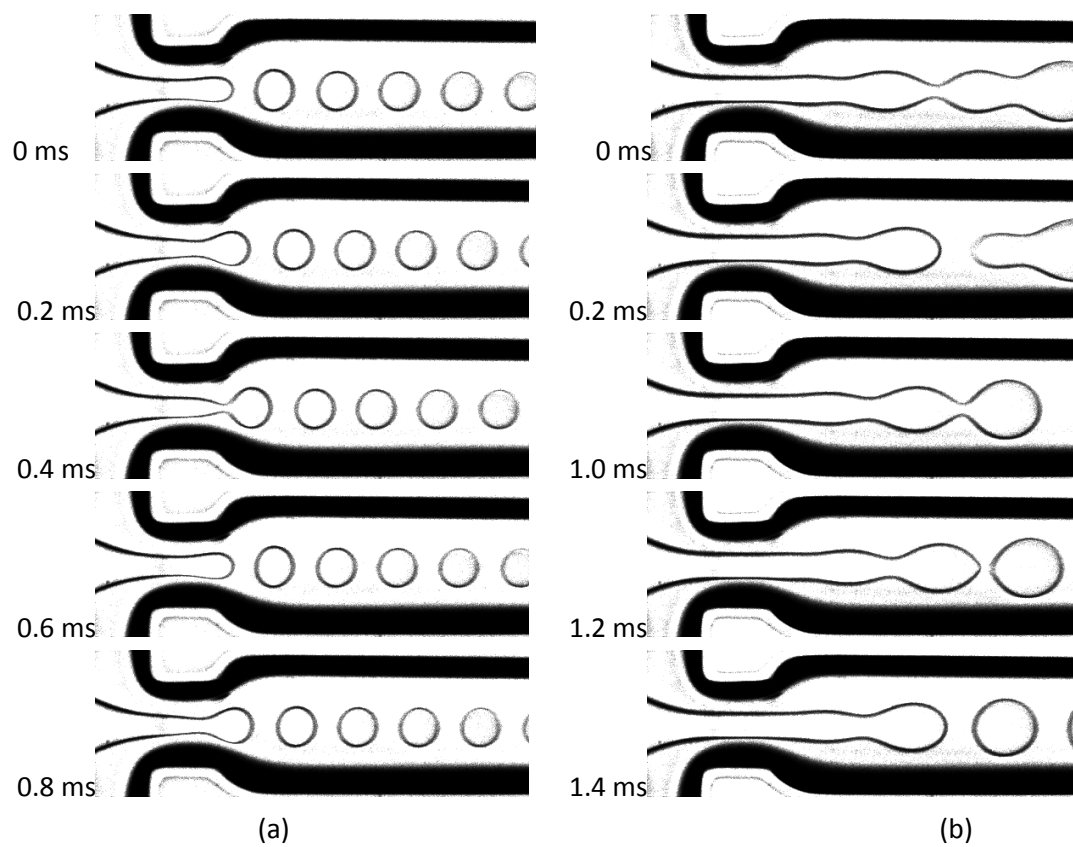

(a)	(b)

Figure S3. Droplet generation using FC 70 oil (a) 1733Hz generation with constant size of droplets (20μl/min water-250μl/min oil) (b) the fluctuating laminar segment due to the high capillary number (50μl/min water-250μl/min oil)