

Supplementary Information

Table S1. Height of COC microchannels embossed at 150 °C for 30 minutes. Each channel was measured in the epoxy master mould and in two embossed COC substrates.

| Channel | 1 | 2 | 3 | 4 | 5 |
|-------------|-------|-------|-------|-------|-------|
| Height (µm) | | | | | |
| Epoxy | 91.14 | 86.28 | 85.66 | 100.9 | 117.4 |
| COC 1 | 51.8 | 55.09 | 51.74 | 59.64 | 73.63 |
| COC 2 | 52.84 | 47.85 | 50.09 | 55.72 | 69.32 |

Table S2. Height of COC microchannels embossed at 160 °C for 10 minutes. Each channel was measured in the epoxy master mould and in two embossed COC substrates.

| Channel | 1 | 2 | 3 | 4 | 5 |
|-------------|-------|-------|-------|-------|-------|
| Height (µm) | | | | | |
| Epoxy | 121.3 | 114.9 | 127.7 | 119.4 | 115.4 |
| COC 1 | 120.1 | 115.1 | 127.2 | 118.6 | 110.9 |
| COC 2 | 116.4 | 114.3 | 123.2 | 118.2 | 106.6 |