

Supplementary file

### Viscosity of 20 times diluted blood in PBS

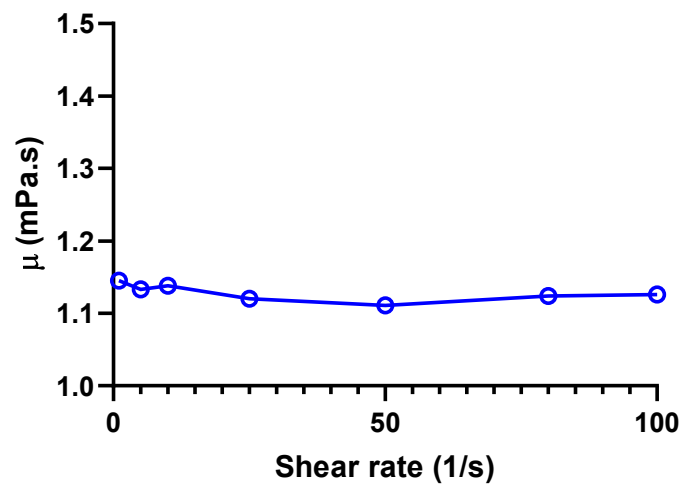


Figure S1. Viscosity of 20 times diluted blood versus shear rate

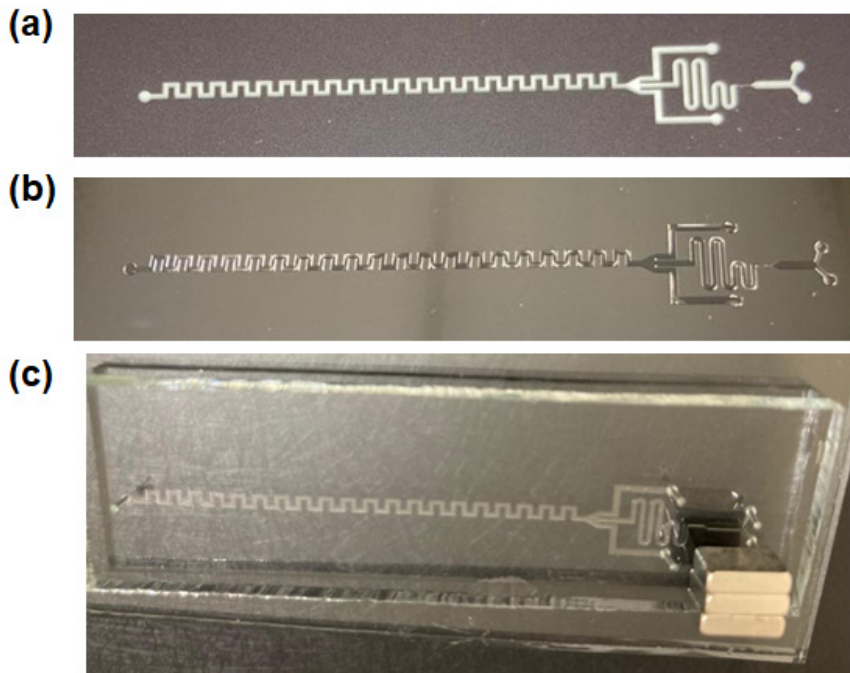


Figure S2. Fabricated device. a) photomask, b) Mold, c) fabricated hybrid device

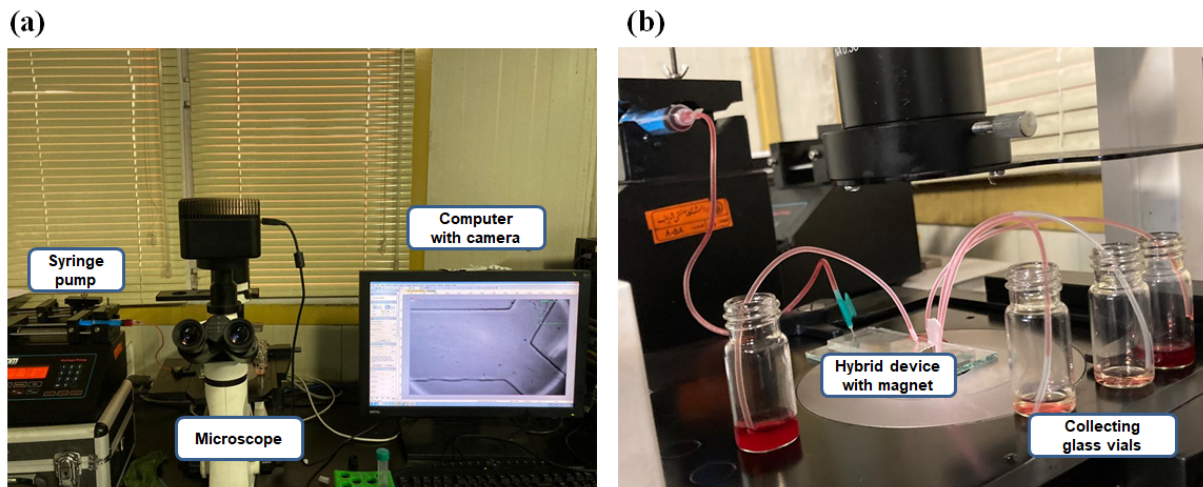


Figure S3. a) Experimental setup, b) Collecting glass vials

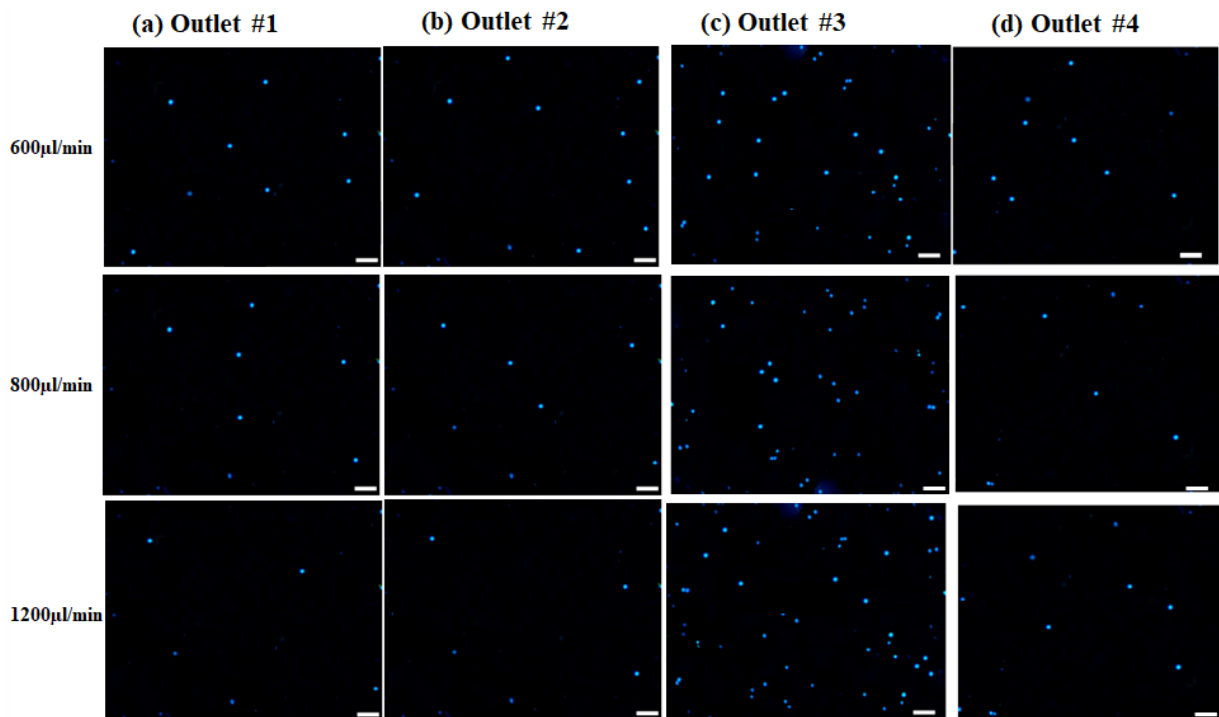


Figure S4. DAPI stained CTCs images at three other flow rates for different outlets. Scale bars are (100  $\mu\text{m}$ ).