



Electronic Supplementary Material

## Micro-Viscometer for Measuring Shear-Varying Blood Viscosity over a Wide-Ranging Shear Rate

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**Figure S1.** Experimental demonstration of the micro-viscometer using a Newtonian fluid. Viscosity of the 8% SDS solution is obtained by the micro-viscometer (red circle) and the rotational viscometer (white circle). For the rotational viscometer, averaged viscosity of 20 data points under 17.3–1000/s in shear rate is 1.88 cP. For the micro-viscometer, averaged viscosity under 21.9–1505.9/s in shear rate is 1.78 cP. It shows a good agreement compared to the result from the rotational viscometer (4.3% in relative error). And it is demonstrated that the proposed micro-viscometer can measure the shear-independent viscosity of the Newtonian fluid.