Supplementary Information

A miniaturized hemoretractometer (mHRM) for blood clot retraction testing

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Supplementary Figure 1

Fig. S1. Fabrication of the mHRM device.
**Fig. S2.** Effect of PDMS on blood coagulation. (a) Comparison of TEG tracings using regular TEG cups and cups pre-coated with PDMS. (b) Bar plots of reaction time $T_r$, time to maximum amplitude $T_{max}$, and maximum TEG amplitude as a function of PDMS coating. Data represents the mean ± s.e.m with $n = 5$. $P$-values were calculated using two-sample unpaired student $t$-test.
Supplementary Figure 3

**Fig. S3.** Schematic of TEG tracing, with key parameters highlighted. TEG tracing showed a similar dynamic pattern as that in mHRM, with R corresponding to reaction time $T_r$, TMA corresponding to time to maximum amplitude $T_{max}$, $\alpha$ corresponding to $CRF$ growth rate $G_{CRF}$, and MA corresponding to $CRF_{max}$ in mHRM tracing.