

Table S1 The C.V. values of the coagulation parameters for the blood samples activated by different Ca^{2+} concentrations.

Ca²⁺ concentrations (mM)	Enzymatic cascade time	Coagulation rate constant k	Final frequency downshift Δf	PT
5	6.7%	4.6%	7.5%	8.5%
10	7.8%	12.3%	6.6%	8.2%
20	6.1%	6.7%	5.5%	5.7%
40	13.3%	9.1%	7.8%	5.7%

Table S2 The C.V. values of the coagulation parameters for the blood samples added different concentration heparin.

Heparin concentrations (IU/ml)	Enzymatic cascade time	Coagulation rate constant k	Final frequency downshift Δf	PT
0	6.7%	4.6%	7.5%	8.5%
0.2	6.8%	8.0%	4.3%	5.7%
0.5	8.7%	6.7%	3.4%	6.0%
1	8.2%	5.0%	13%	9.3%