Table S1. Correlations (r_s) between fibrinogen and fibrin clot characteristics in stroke cases (n=144), diabetic controls (n=144), and blood donors (n=120).

	V_{max} (OD/min)	MA (OD)	Clot lysis (%)	OHP (OD x min)	Diameter (µm)	Density (x10^{22} Da/cm^3)
Fibrinogen (g/l)						
Stroke cases	0.70***	0.90***	-0.48***	0.89***	0.68***	-0.76***
Diabetes controls	0.57***	0.91***	-0.64***	0.92***	0.67***	-0.78***
Absolute α_E (µg/ml)						
Stroke cases	0.43***	0.60***	-0.30***	0.58***	0.53***	-0.56***
Diabetes controls	0.45***	0.64***	-0.40***	0.62***	0.54***	-0.51***
Relative α_E (% of total)						
Stroke cases	-0.08	-0.00	0.00	-0.01	0.09	-0.05
Diabetes controls	-0.01	-0.09	0.12	-0.13	-0.01	0.12
Absolute γ′ (µg/ml)						
Stroke cases	0.44***	0.62***	-0.23**	0.58***	0.47***	-0.48***
Diabetes controls	0.33***	0.62***	-0.44***	0.63***	0.50***	-0.63***
Relative γ′ (% of total)						
Stroke cases	-0.13	-0.11	0.16	-0.13	-0.06	0.13
Diabetes controls	-0.11	-0.02	-0.00	-0.02	0.02	-0.09
Absolute sialylated fibrinogen (AU)						
Stroke cases	0.64***	0.76***	-0.38***	0.75***	0.59***	-0.62***
Diabetes controls	0.59***	0.82***	-0.56***	0.81***	0.70***	-0.63***
Relative sialylated fibrinogen (AU/(g/l))						
Stroke cases	0.03	-0.10	0.03	-0.10	-0.04	0.16
Diabetes controls	0.12	-0.02	0.05	-0.05	0.16	0.14

*p<0.05, **p<0.01, and ***p<0.001. Abbreviations: MA, maximum absorbance; OHP, overall hemostasis potential.

To investigate the stability of fibrin clot characteristics under plasma handling conditions mimicking the DD2 study procedure, we conducted a pilot study with plasma samples (n=10) handled in two different ways before freezing at 80°C:

1. Plasma samples were handled according to CSLI guidelines and frozen immediately after centrifugation [1].
2. Plasma samples were stored at room temperature overnight after centrifugation.

Table S2: Levels of fibrin clot characteristics at different handling conditions

	According to guideline	Overnight at room temperature	Median reduction %	P-value
V_{max} (OD/min)	0.83 (0.68;1.02)	0.83 (0.67;0.95)	1.27 (-2.86;5.61)	ns
MA (OD)	0.74 (0.60;0.79)	0.70 (0.57;0.79)	4.22 (1.42;4.90)	<0.01
Clot lysis (%)	57.7 (50.9;74.7)	61.6 (51.9;77.6)	-2.5 (-6.6;2.5)	ns
OHP (OD x min)	70.9 (53.4;80.8)	66.0 (51.9;80.9)	2.2 (0.4;4.5)	ns
Fiber diameter (µm)	0.15 (0.13;0.15)	0.14 (0.13;0.15)	0.0 (0.0;6.7)	ns
Fiber density (10^{22}Da/cm^3)	4.3 (4.1;4.8)	4.3 (4.0;4.8)	2.1 (-1.9;4.7)	ns

Data is presented as median with (25;75 percentiles). Abbreviations: AU, arbitrary unit; MA, maximum absorbance; OHP, overall hemostasis potential.

The findings revealed <5% median changes across all fibrin clot characteristics between handling conditions.

Reference

1. Adcock Funk DM, Lippi G, Favaloro EJ. Quality standards for sample processing, transportation, and storage in hemostasis testing. Semin Thromb Hemost 2012;38(06):576-585.