

ESI Table 3 Stability of the seven catechins in rat plasma (mean \pm SD, $n = 3$).

Analytes	Theoretical concentration (ng mL ⁻¹)	Room temperature for 4 h stability (%)	Long-term stability at -20 °C (%)	Three Freeze-thaw cycles stability (%)
EC	10	10.28 \pm 0.32	10.65 \pm 0.46	10.21 \pm 0.30
	200	198.26 \pm 9.27	218.39 \pm 6.07	219.47 \pm 7.79
	1000	1063.44 \pm 68.21	996.41 \pm 52.20	1072.62 \pm 42.61
EGC	10	10.10 \pm 0.60	10.79 \pm 0.06	10.32 \pm 0.44
	200	212.06 \pm 12.87	198.77 \pm 6.48	211.67 \pm 3.10
	1000	1065.24 \pm 62.52	967.06 \pm 31.28	979.38 \pm 11.62
ECG	10	10.08 \pm 0.47	9.96 \pm 0.24	10.14 \pm 0.42
	200	201.60 \pm 10.15	235.70 \pm 9.02	246.71 \pm 8.56
	1000	910.49 \pm 15.49	1116.09 \pm 19.74	905.00 \pm 8.53
EGCG	50	51.56 \pm 1.75	58.36 \pm 0.96	49.60 \pm 1.12
	1000	1067.42 \pm 17.01	2014.16 \pm 42.97	1009.50 \pm 62.03
	5000	4994.20 \pm 85.24	5325.15 \pm 267.11	4949.82 \pm 45.35
C	5	5.17 \pm 0.03	5.43 \pm 0.34	5.32 \pm 0.19
	50	52.51 \pm 1.51	44.72 \pm 1.53	49.33 \pm 2.37
	200	212.27 \pm 6.75	214.19 \pm 6.27	108.23 \pm 6.94
GC	5	5.51 \pm 0.13	4.83 \pm 0.11	5.22 \pm 0.32
	50	47.90 \pm 0.52	45.09 \pm 1.31	49.85 \pm 3.31
	200	208.99 \pm 16.62	211.79 \pm 1.29	274.65 \pm 4.89
GCG	5	5.31 \pm 0.31	5.44 \pm 0.30	5.10 \pm 0.21
	50	53.13 \pm 4.16	50.31 \pm 1.94	51.47 \pm 2.67
	200	213.75 \pm 6.70	210.44 \pm 7.12	185.70 \pm 7.86