

Table S1. Particle size distribution of nanoparticles (n<30) synthesized from bacterial biomass by ultrasonication and separated at 20000 rpm

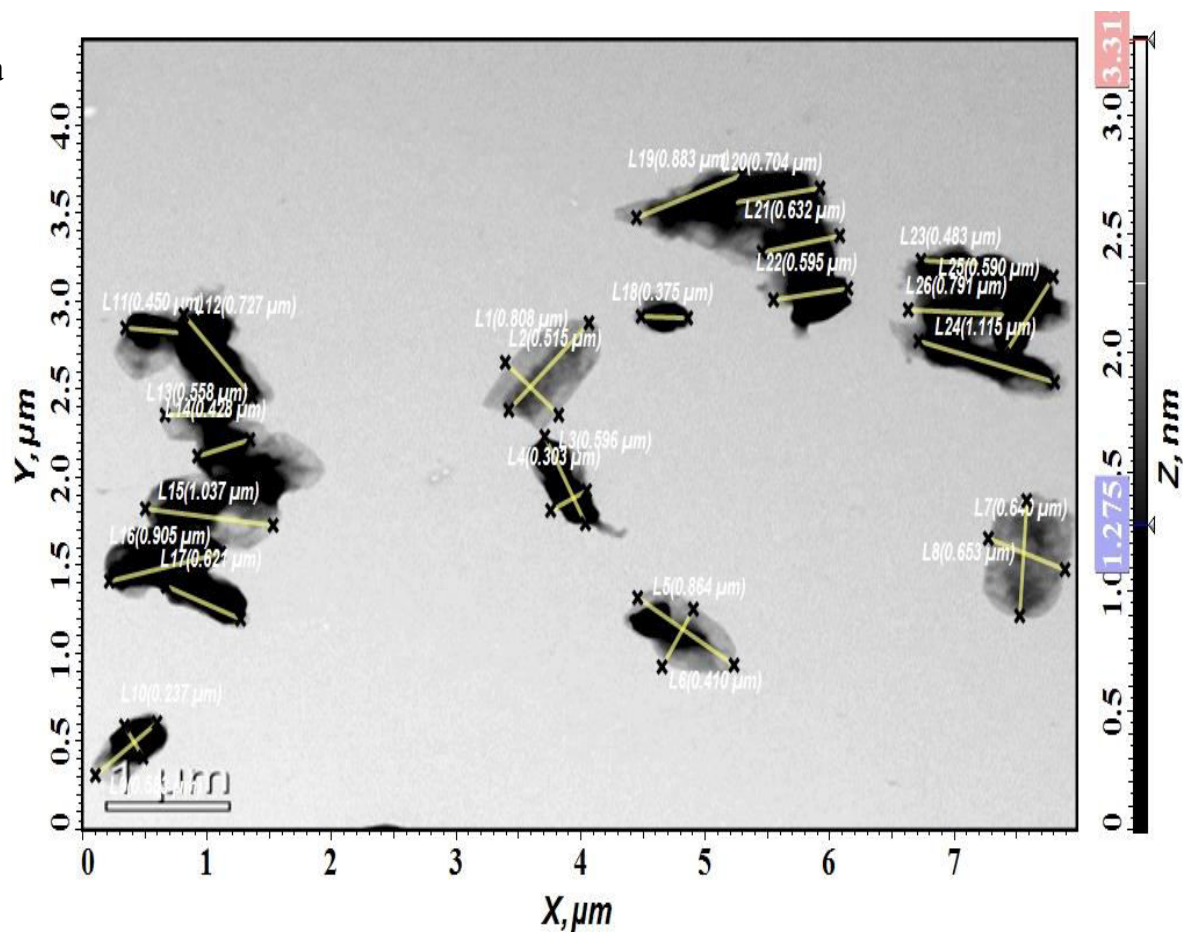
Sonication power (%)	3 min sonication		5 min sonication	
	Particle size (nm)	Distribution (%)	Particle size (nm)	Distribution (%)
50	8	8	33	44
	17	19	42	56
	33	73	-	-
100	28	32	6	12
	15	43	16	22
	8	25	26	38
	-	-	32	28

Table S2. Elemental composition analysis of nanosized particle synthesized from bacterial biomass by ultrasonication and separated at 20000 rpm

Element	Weight (%)	Atomic (%)
C K	80.94	85.25
O K	18.29	14.46
Na K	0.21	0.12
K K	0.15	0.06
Cl K	0.24	0.08
N K	0.17	0.03

Fig. S1

a



b

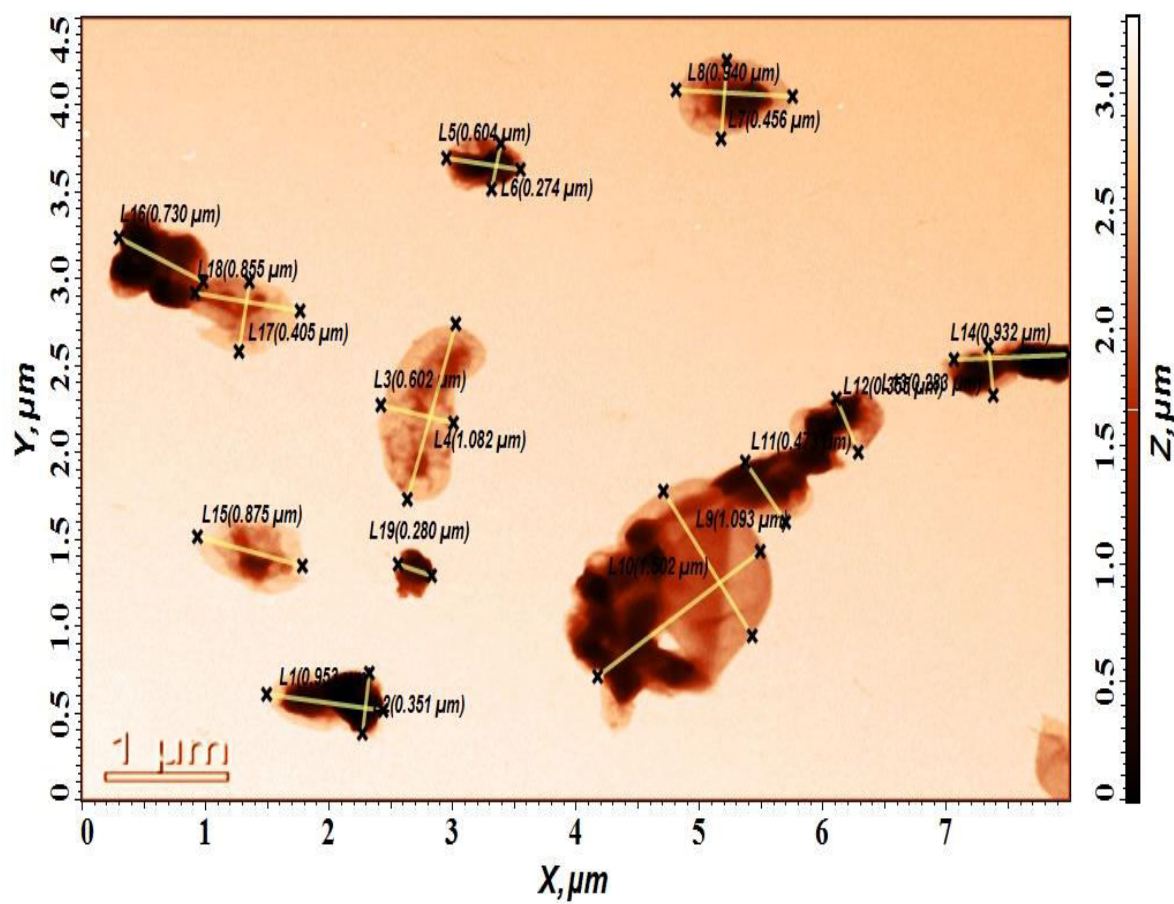


Fig. S2

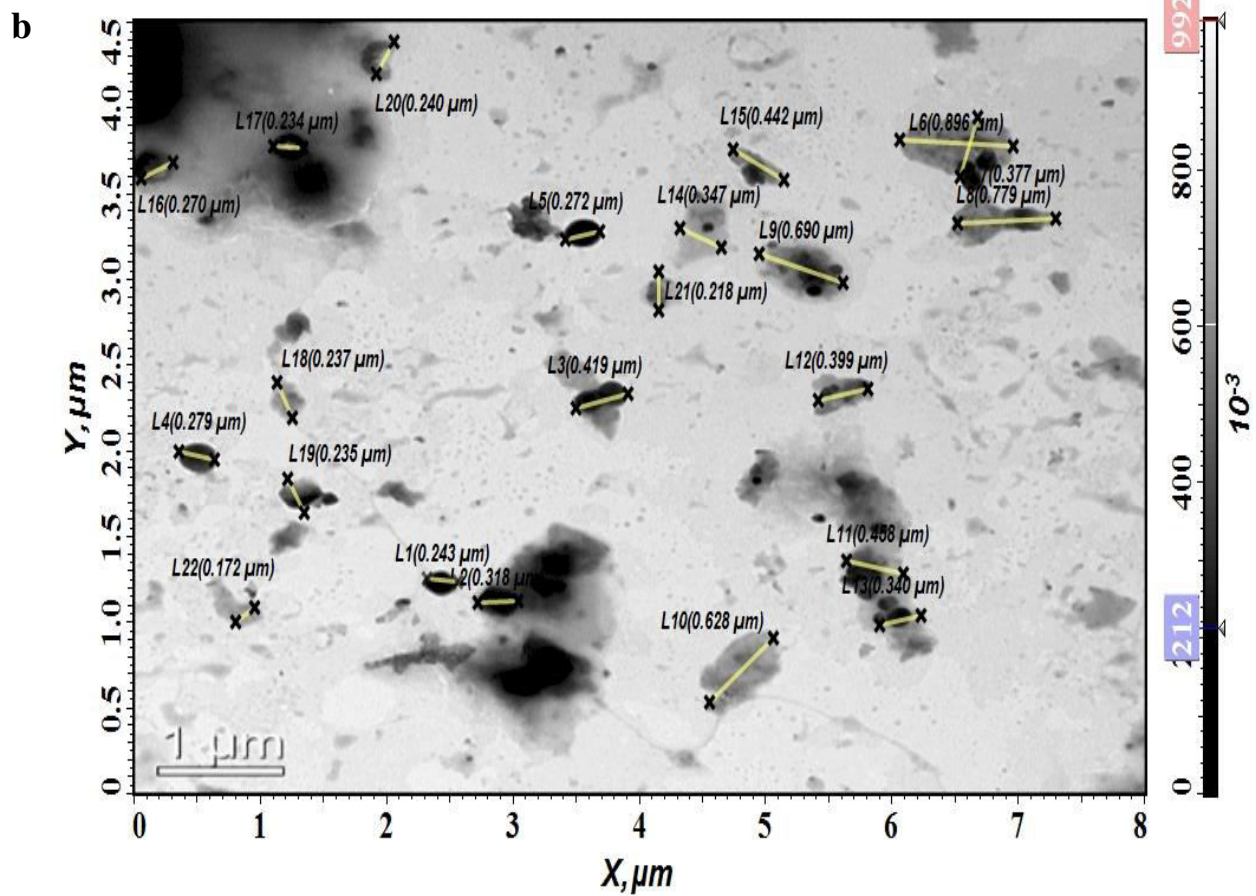
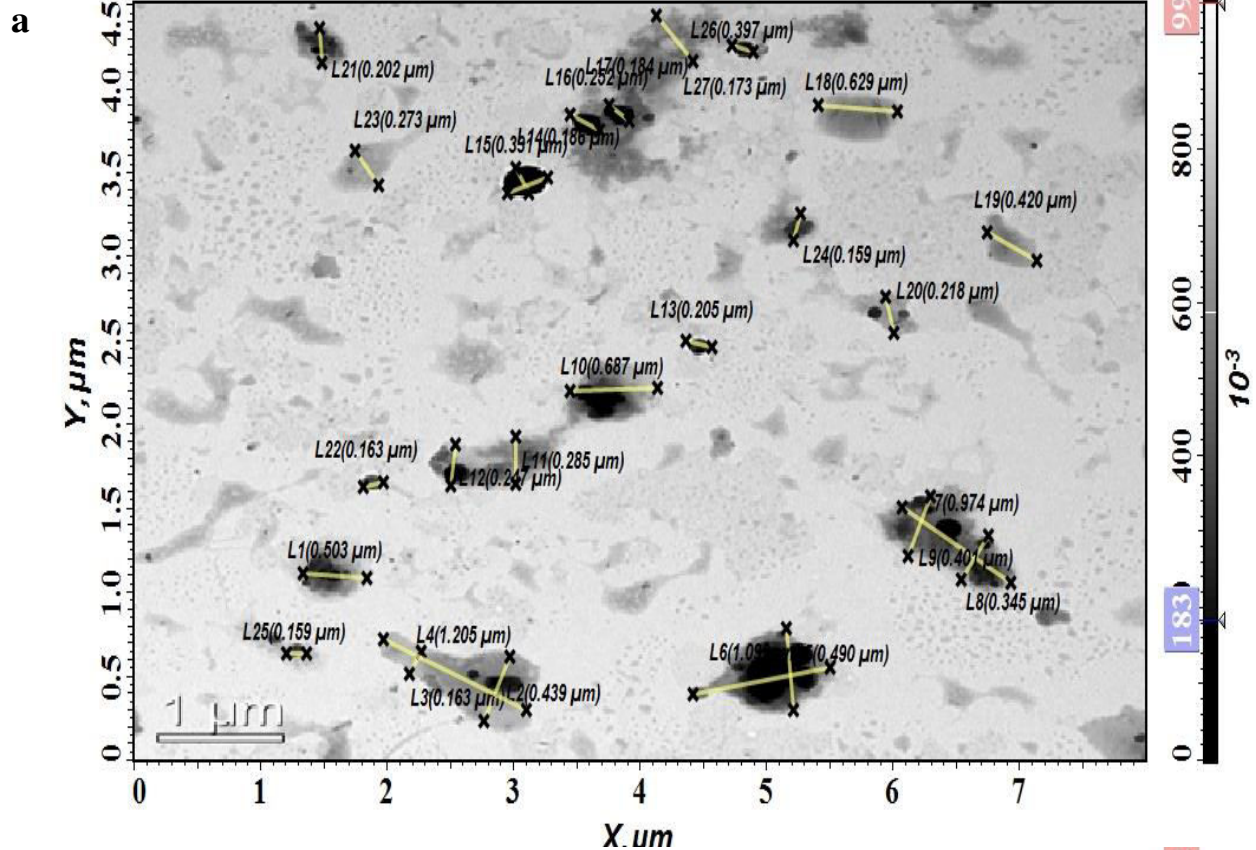


Fig. S3

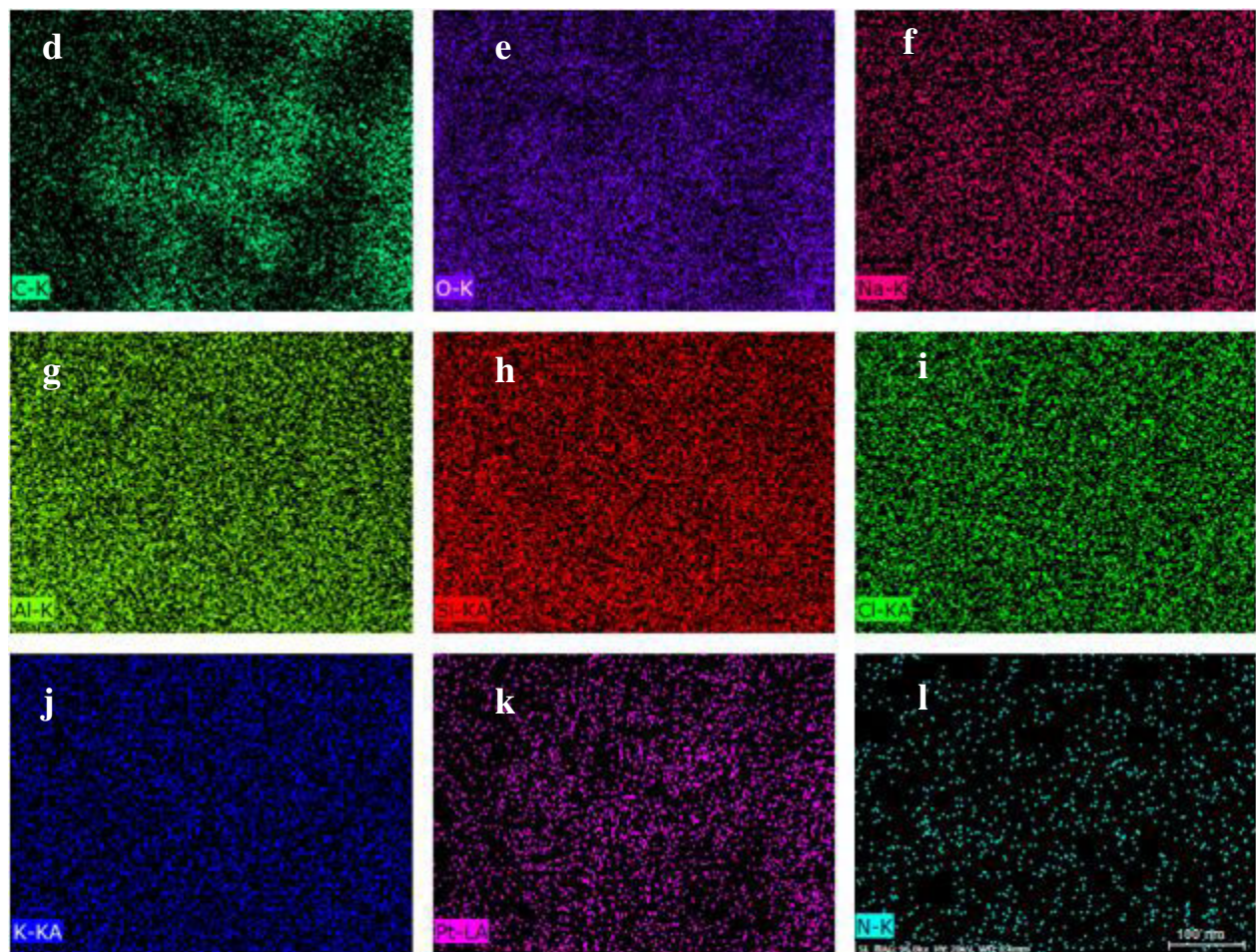
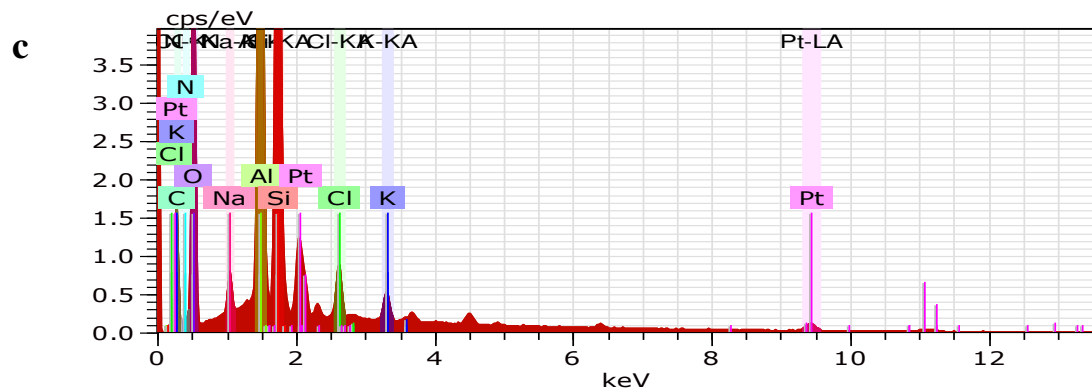
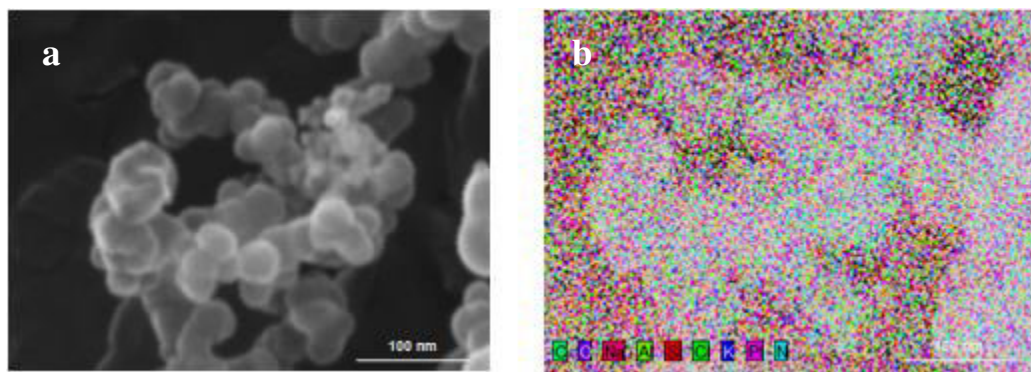


Fig. S4

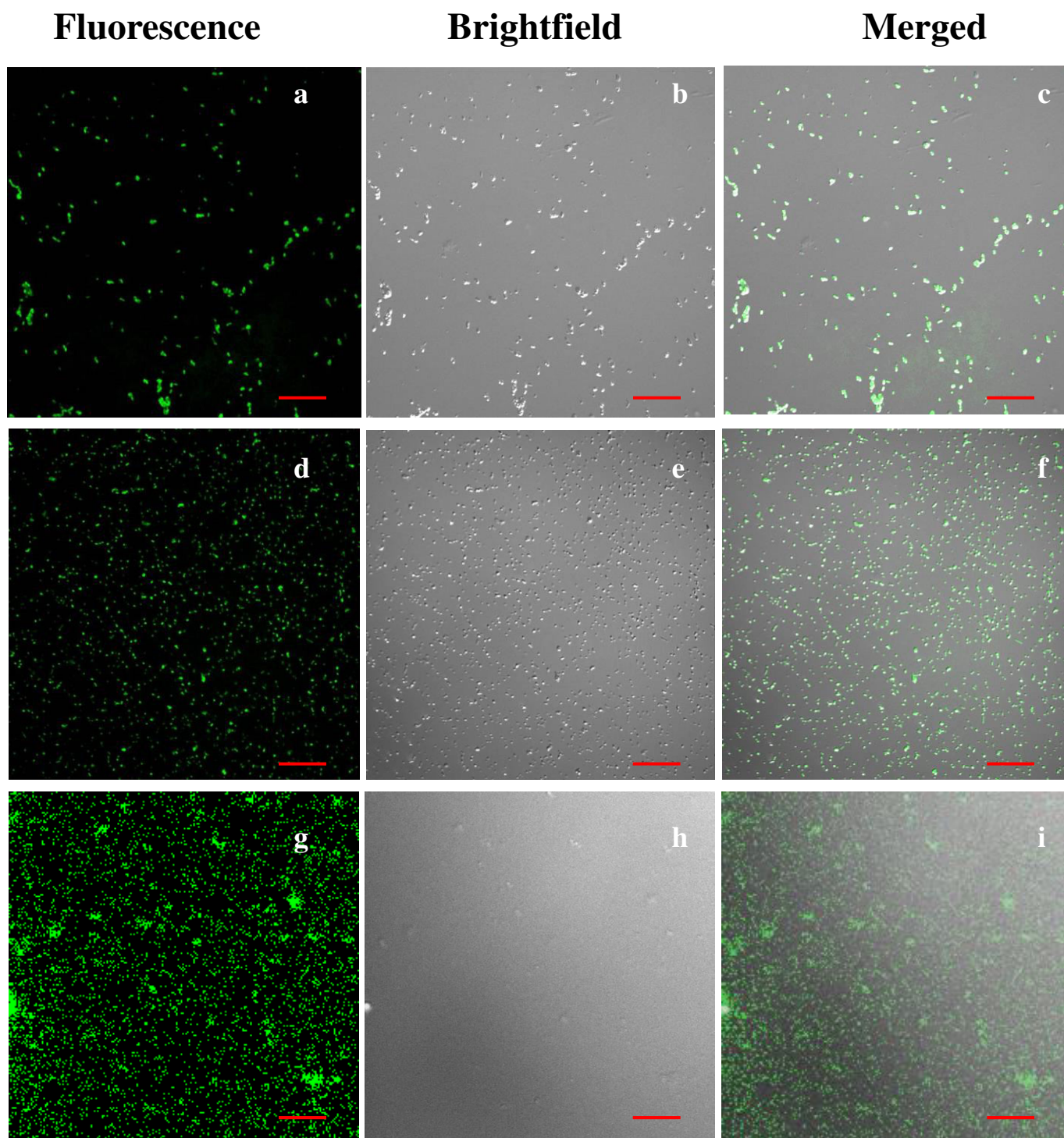


Fig.S5

