

Supplementary table. Summary of statistical analyses applied to each parameter

Parameter	Sample size (n)	Normality test	Variance test	Statistical test	Post-hoc test
Particle size	3	D'Agostino–Pearson	Brown–Forsythe	One-way ANOVA	Tukey
PDI	3	D'Agostino–Pearson	Brown–Forsythe	One-way ANOVA	Tukey
Zeta potential	3	D'Agostino–Pearson	— Brown–Forsythe	One-way ANOVA	Tukey
SPF values	3	D'Agostino–Pearson	Brown–Forsythe	One-way ANOVA	Tukey
Entrapment efficiency (%)	3	D'Agostino–Pearson	— Brown–Forsythe	One-way ANOVA	None*
Drug loading (%)	3	Failed	—	Kruskal–Wallis	Dunn

* No significant difference was observed among groups.