

Figure 1

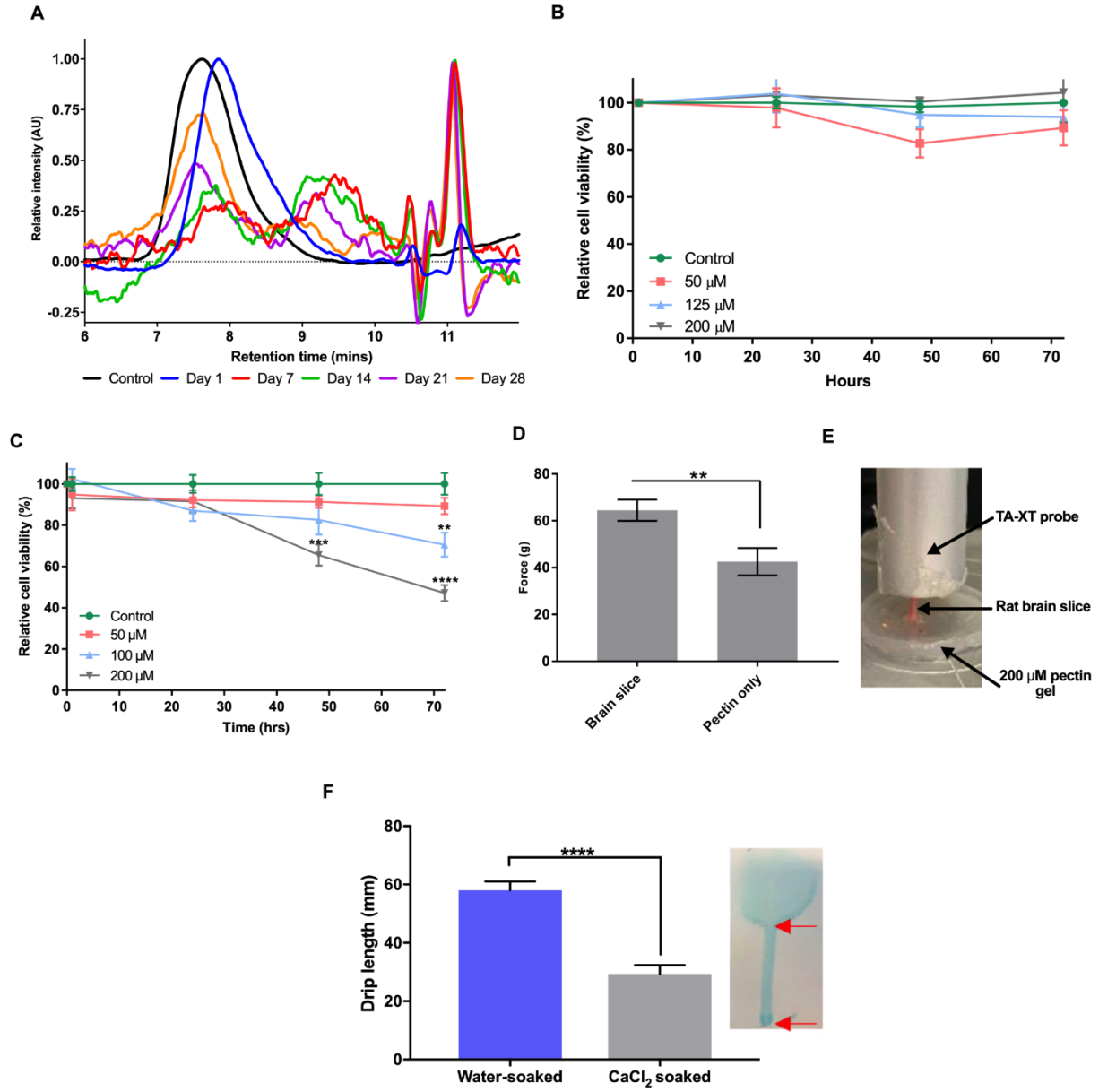


Figure 2

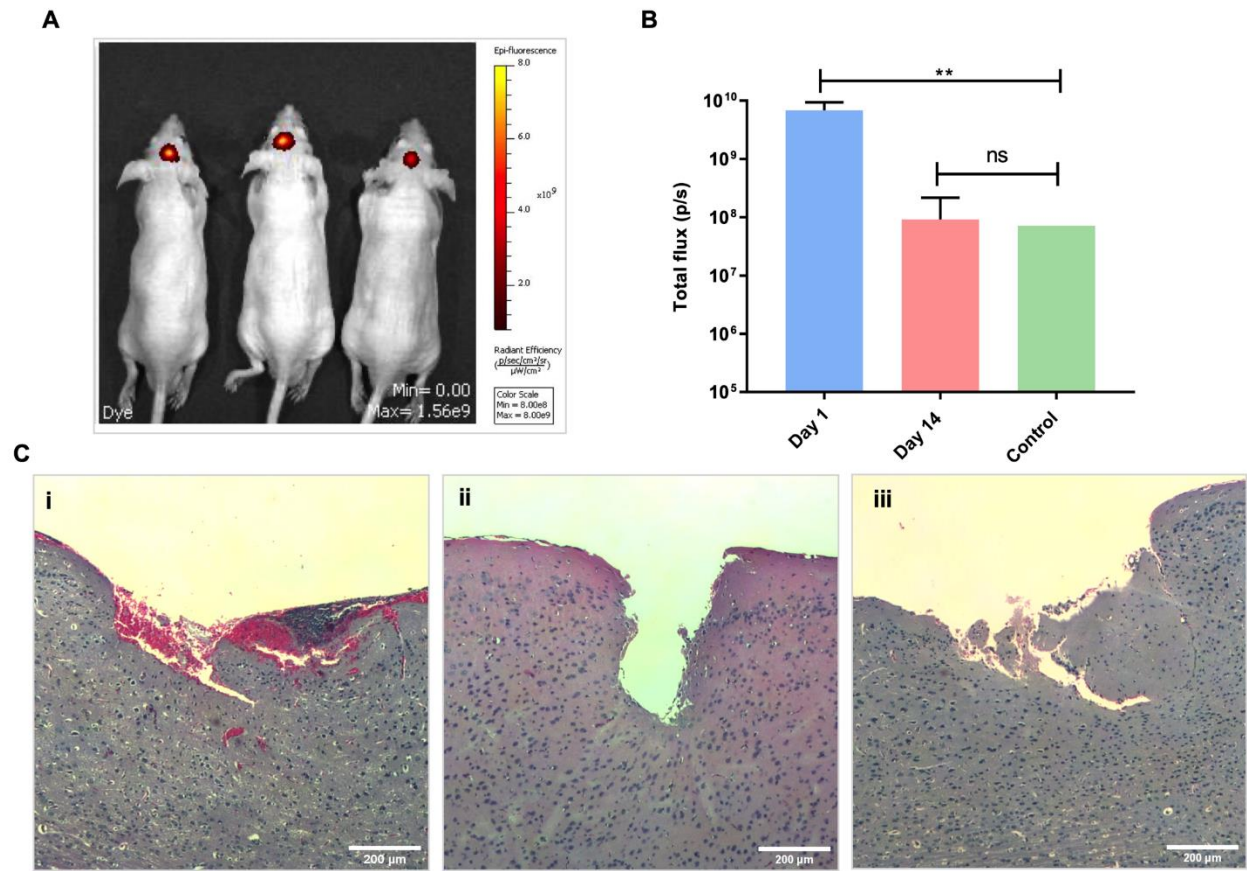


Figure 3

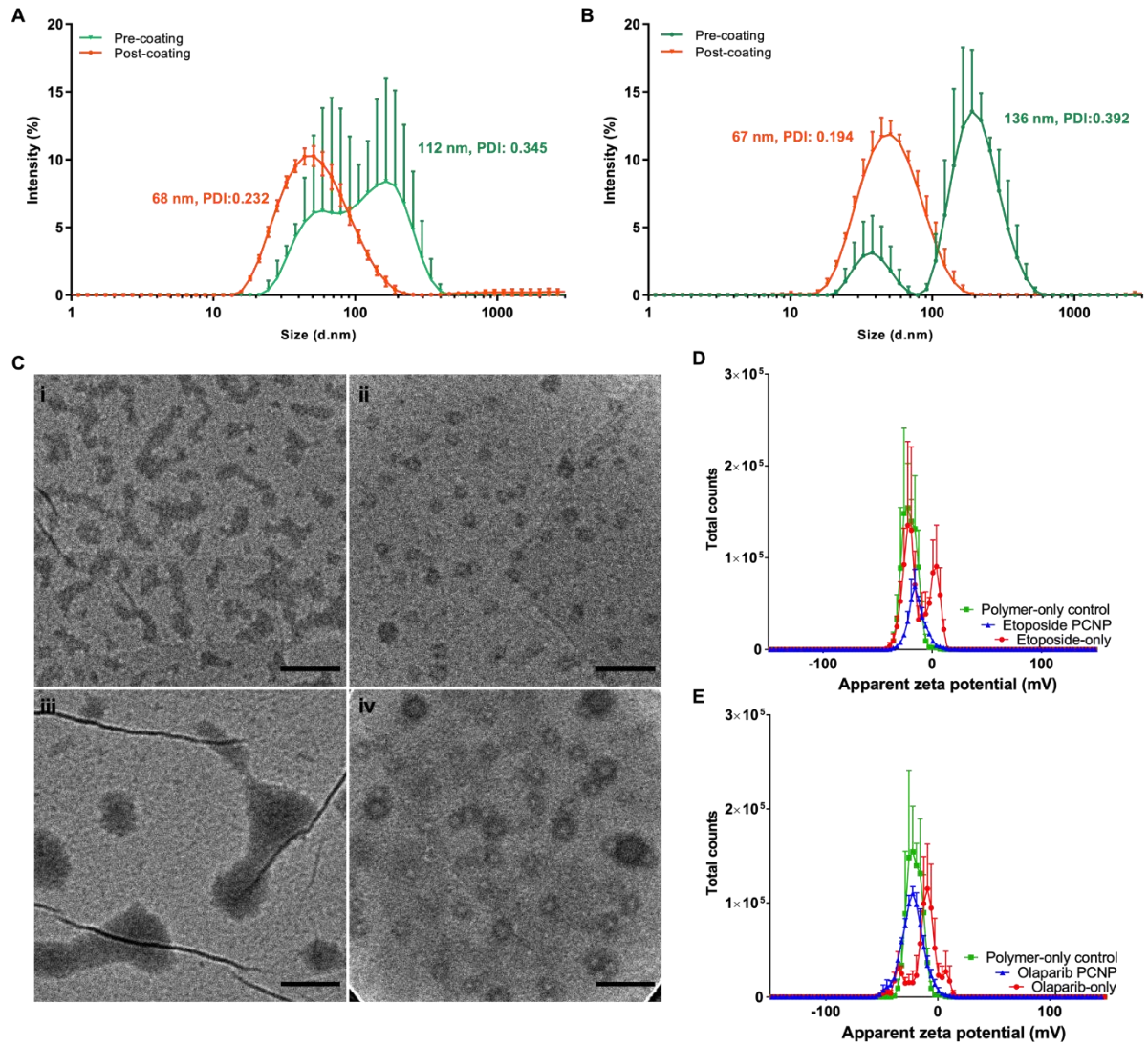


Figure 4

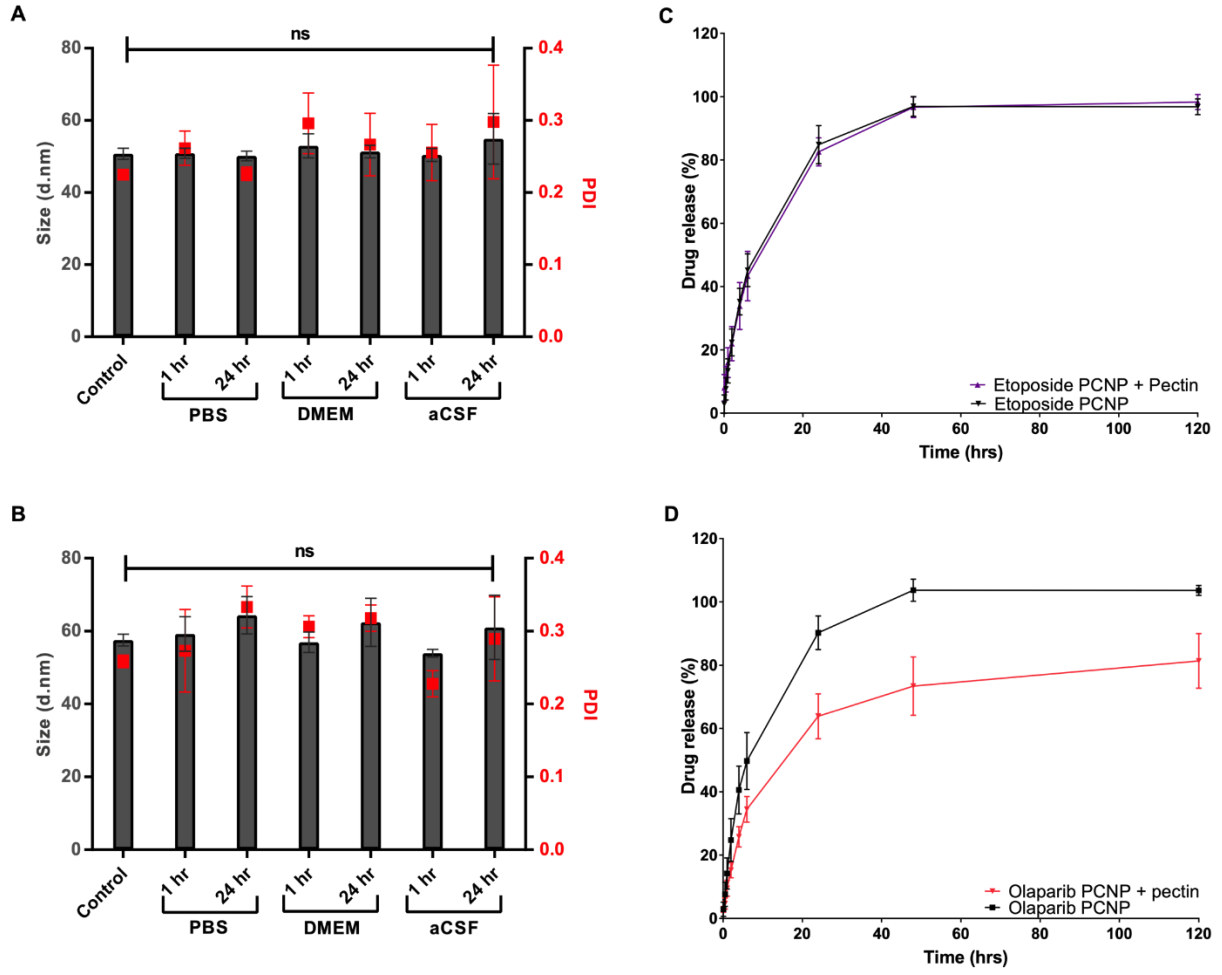


Figure 5

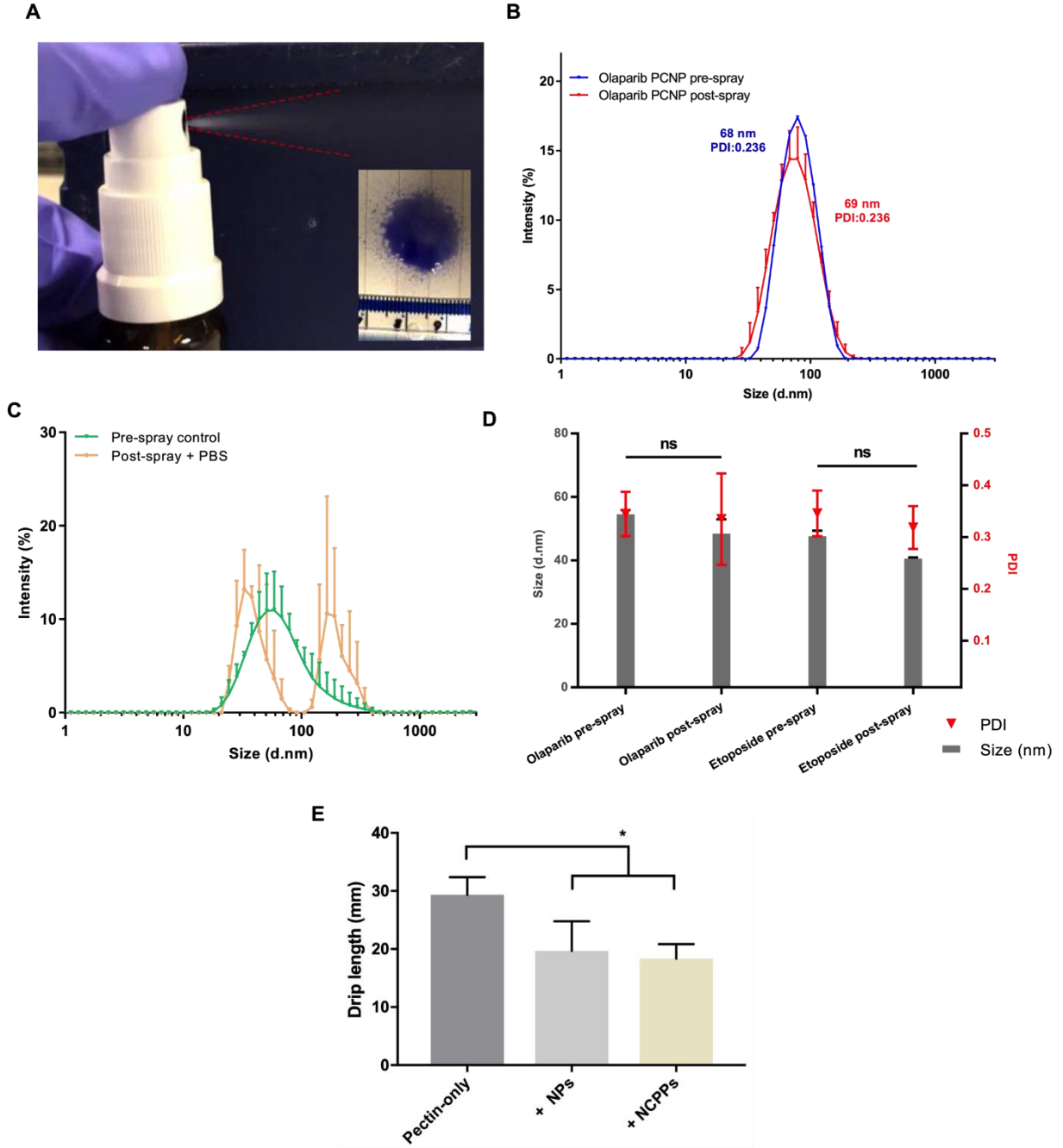
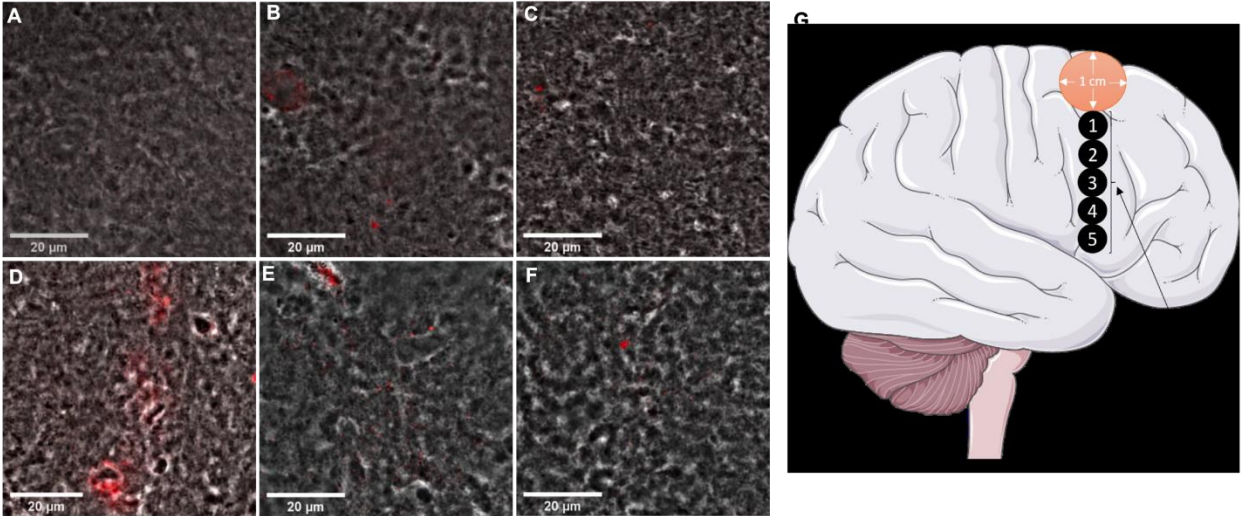


Figure 6



Supplementary Figure 1

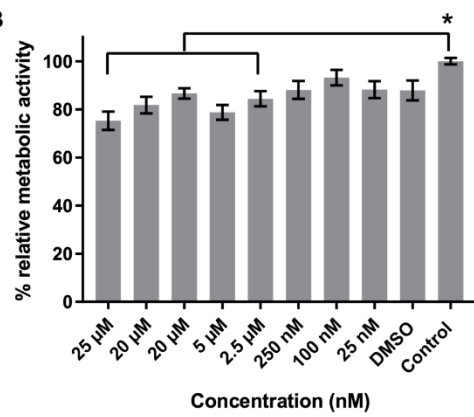
Sample	Calculated Mw (g/mol)
Control	196000
Day 1	188000
Day 7	3126
Day 14	2797 + 814
Day 21	N/A
Day 28	2750

Supplementary Figure 2

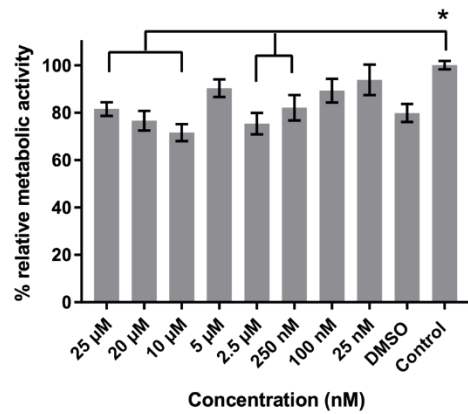
A

	DE	Ca ²⁺ reactivity
Pectin 101	35%	Low
Pectin 102	30%	Medium
Pectin 104	27%	High
Pectin 105	40%	

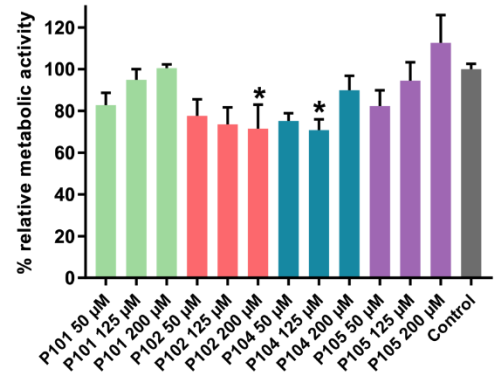
B



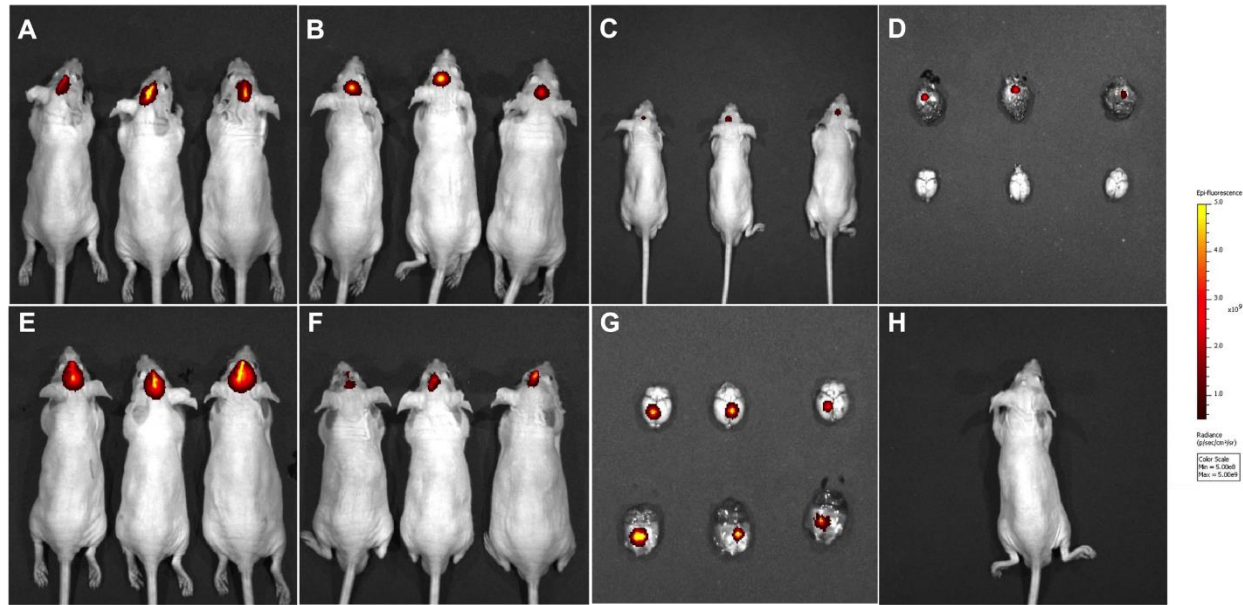
C



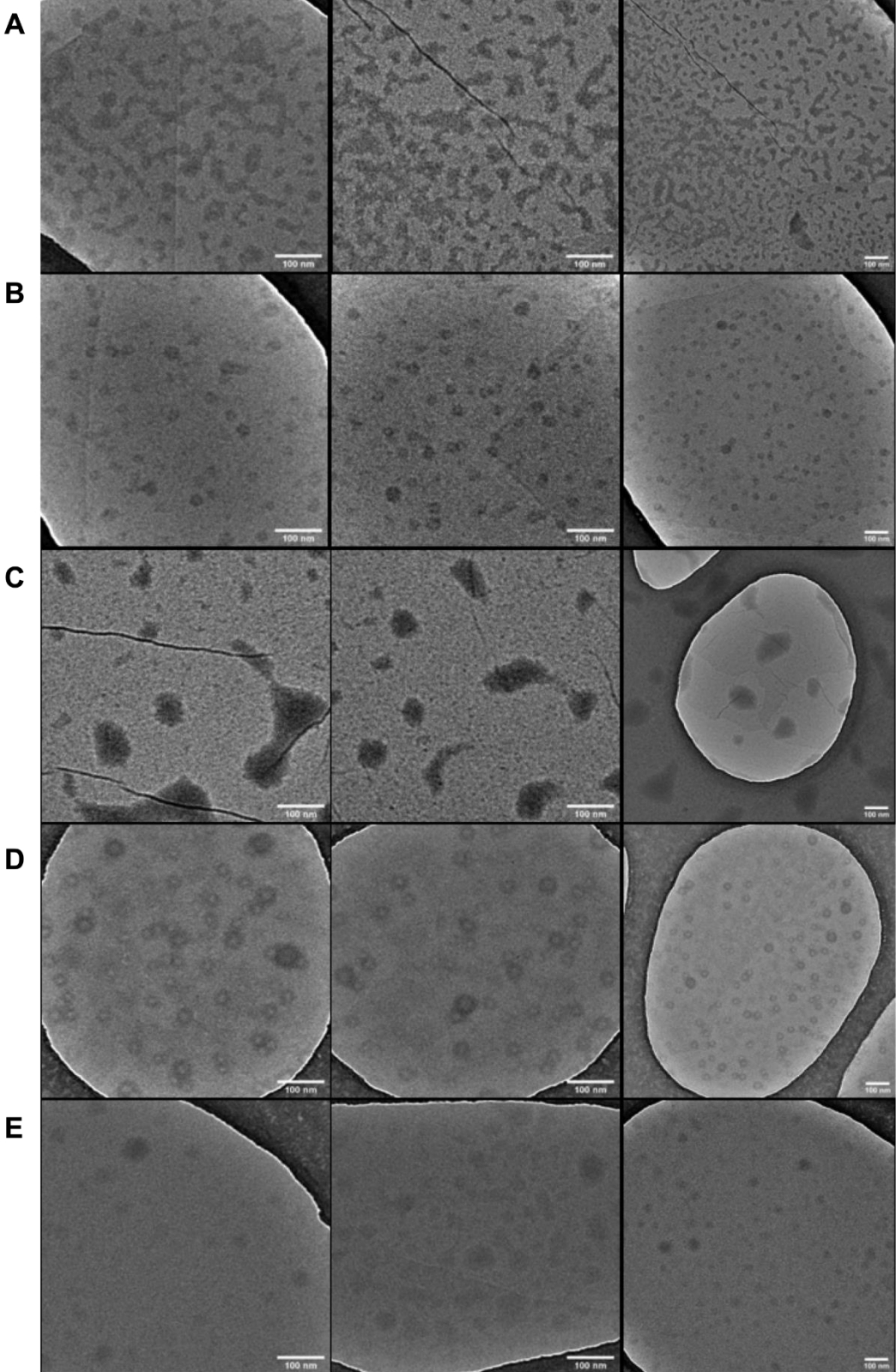
D



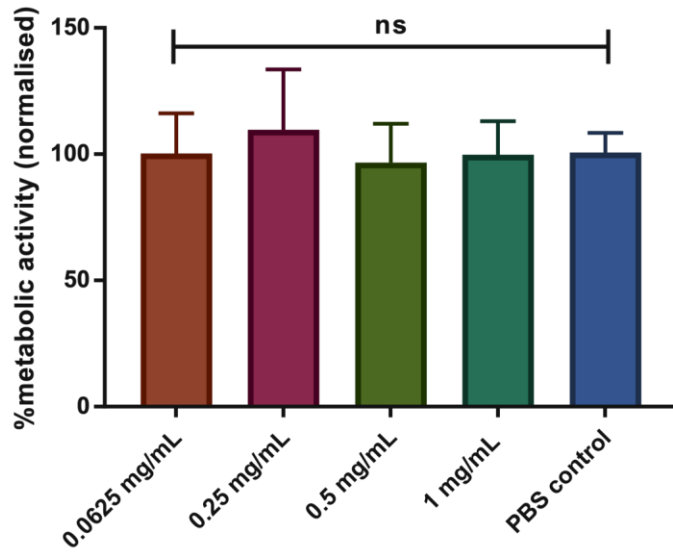
Supplementary Figure 3



Supplementary Figure 4



Supplementary Figure 5



Supplementary Figure 6

Spray	Spray volume (µL)
1	51.6
2	51.7
3	50.9
4	52.0
5	51.1
6	52.1
7	51.5
8	52.1
9	51.3
10	52.2

Supplementary Figure 7

