

Research Article

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Long-term durability antibacterial microcapsules with plant-derived Chinese nutgall and their applications in wound dressing

Supplementary material

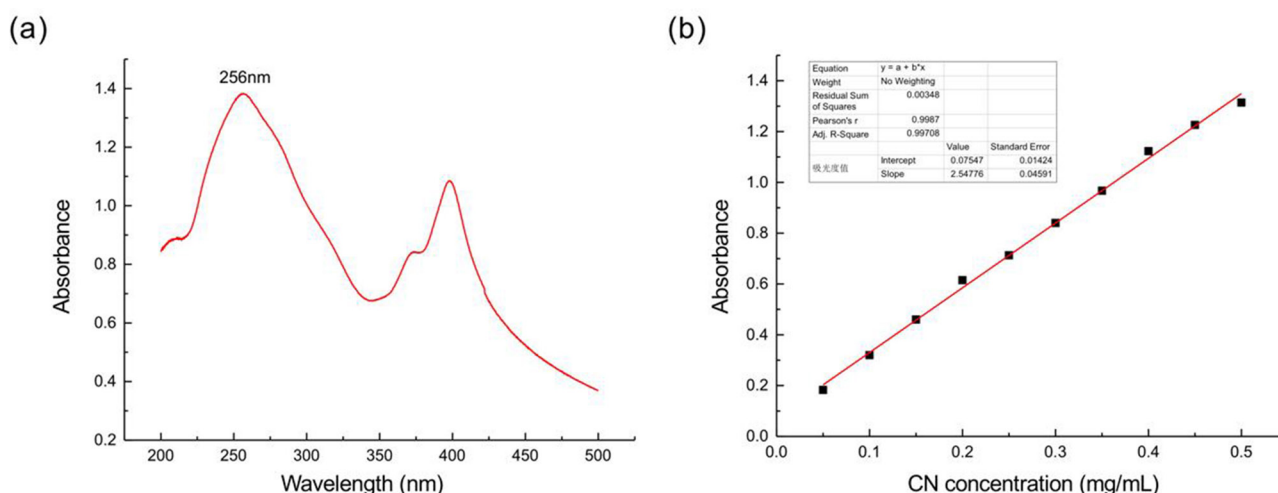


Figure S1: (a) The ultraviolet spectrum of CN in PBS (pH = 7.7); (b) CN concentration – absorbance curve.

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Table S1: Inhibition rates of microcapsules against *S. aureus*.

Microcapsule loading concentration (mg/mL)	Inhibition rates at different time (%)			
	3h	6h	12h	24h
1.5	36.63±0.24	44.42±0.32	67.87±0.37	75.06±0.30
2.5	55.15±0.17	78.36±0.11	85.28±0.33	92.42±0.41
3.5	71.55±0.68	86.73±0.49	91.28±0.51	96.77±0.27
4.5	83.74±0.30	94.89±0.25	98.99±0.29	100
5.5	100	100	100	100

Table S2: Inhibition rates of microcapsules against *E. coli*.

Microcapsule loading concentration (mg/mL)	Inhibition rates at different time (%)			
	3h	6h	12h	24h
2	43.90±0.41	52.64±0.26	72.49±0.19	75.06±0.30
3	59.15±0.31	81.34±0.46	90.58±0.50	92.42±0.41
4	74.34±0.26	90.25±0.49	94.62±0.51	96.77±0.27
5	88.74±0.27	99.61±0.32	100	100
6	100	100	100	100