

Alginate acid/graphene oxide hydrogel film coated functional cotton fabric for controlled release of matrine and oxymatrine

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Supporting Information

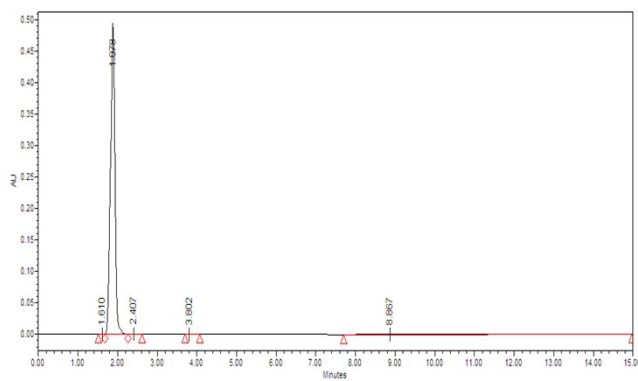
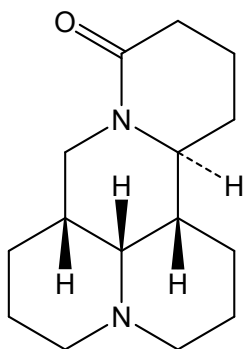
Figure S1. Chemical structure and HPLC peak of the matrine and oxymatrine

Figure S2. Digital image of CF, AG0-CF and AG0.5-CF

Figure S3. Swelling properties of the AG0, AG0.5 and AG1.0 hydrogels

Table. S1. Cumulative Drug Release rate at different temperature

Matrine



Oxymatrine

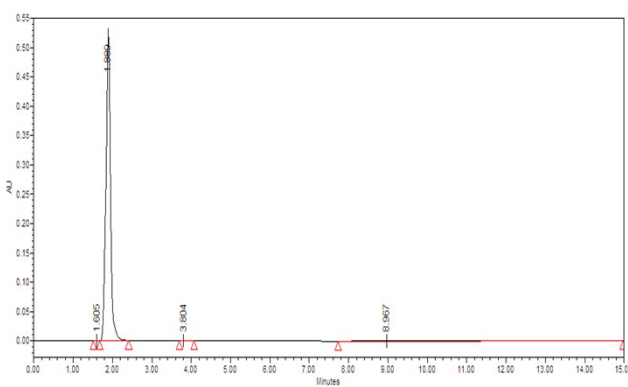
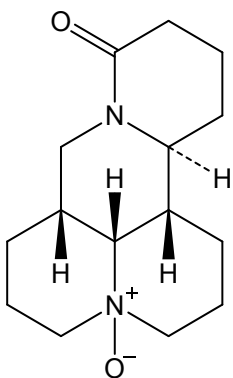


Fig. S1. Chemical structure and HPLC peak of matrine and oxymatrine

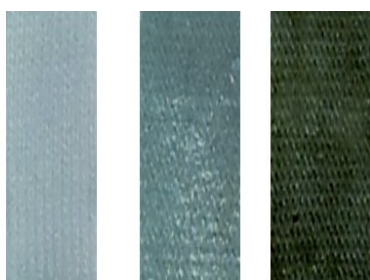


Fig. S2. Digital image of CF, AG0-CF and AG0.5-CF

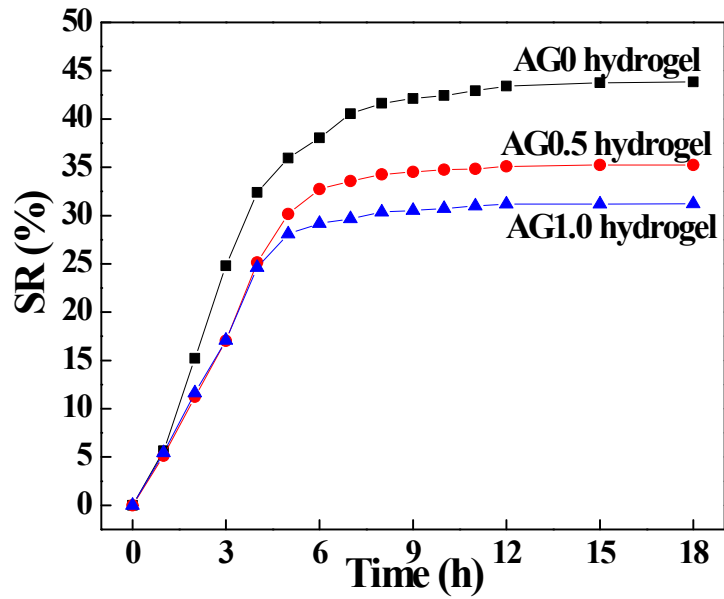


Fig. S3. The swelling properties of AG0, AG0.5 and AG1.0.

Table. S1. Cumulative Drug Release rate at different temperature

Sample Name	Matrine Release Rate (%)			Oxymatrine Release Rate (%)		
	25 °C	37 °C	60 °C	25 °C	37 °C	60 °C
CF	95.5	98.4	98.4	97.4	97.0	98.2
AG0-CF	85.2	93.8	95.5	79.3	89.1	94.3
AG0.5-CF	53.1	72.9	93.4	47.4	67.8	90.6
AG1.0-CF	46.8	68.5	89.9	41.2	59.2	88.1