

Supporting Information

A dry double-sided tape post-treated with tannic acid for long-term adhesion in wet environment

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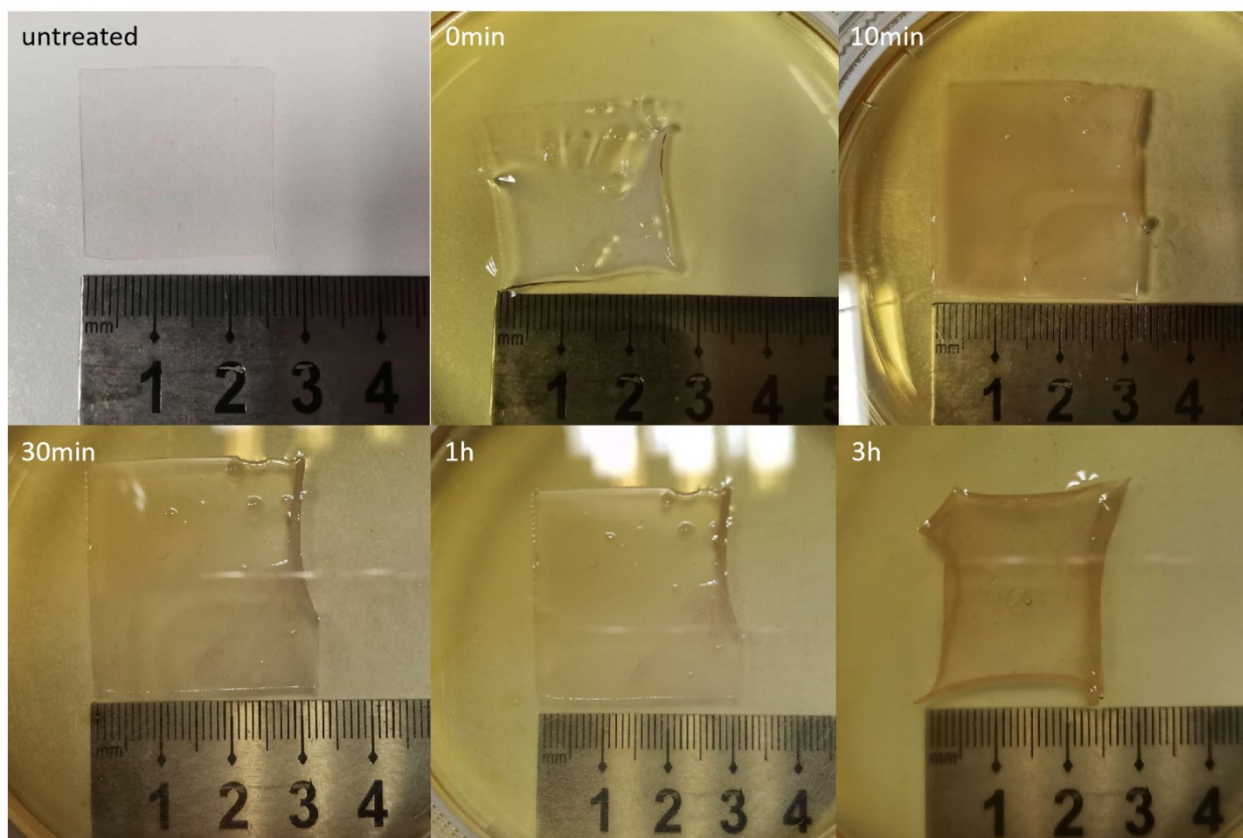


Figure S1. The optimization of TA's post-treatment time.

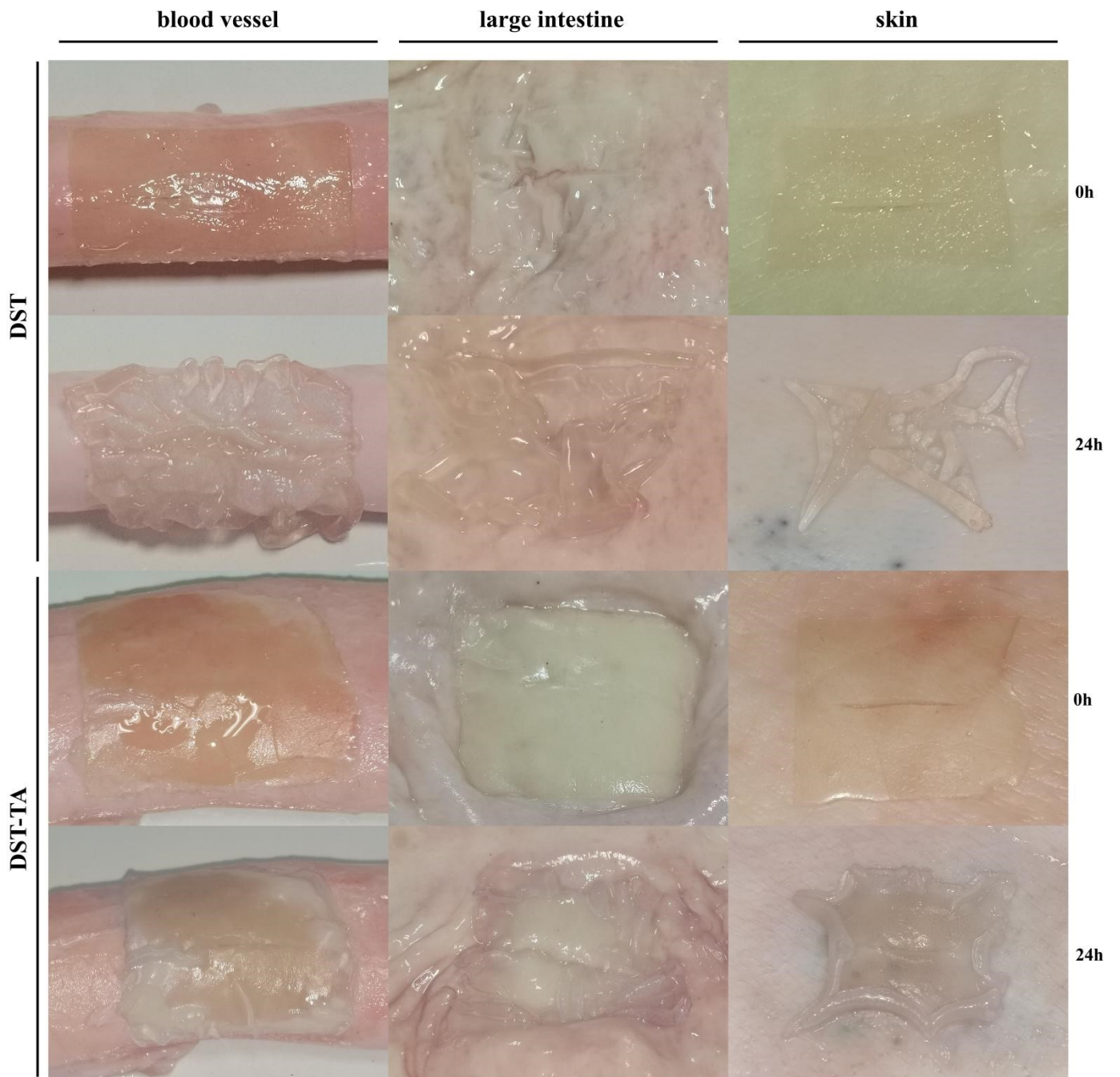


Figure S2. The adhesion and retention of DST and DST-TA on different tissues.

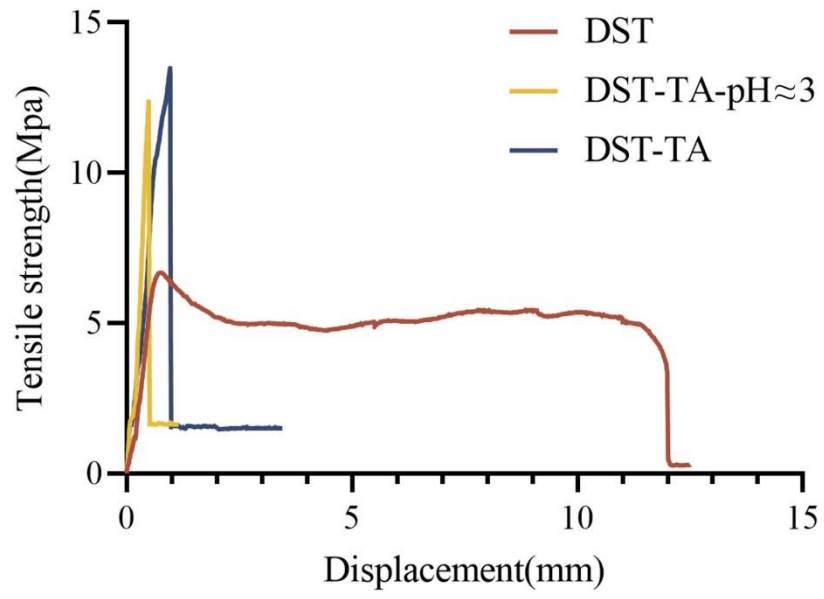


Figure S3. Stress-strain curves of three samples.

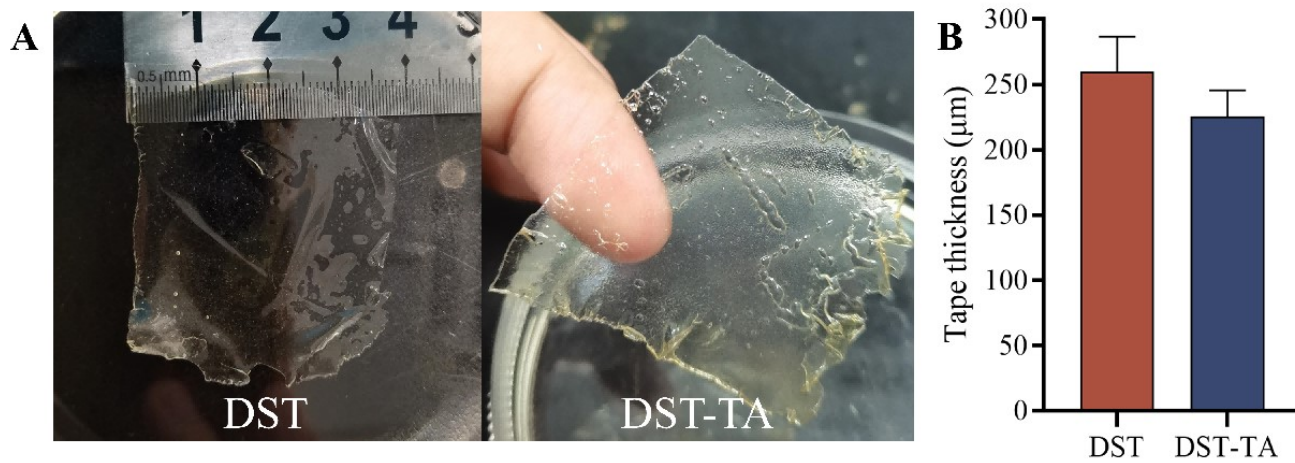


Figure S4. (A) DST and DST-TA in thin dry film state; (B) Thickness of tapes



Figure S5. Tape that was blocked from polymerization by tannic acid in the pre-experiment

Supplementary Video 1

Leakage test of DST after soaking in saline for 24h.

Supplementary Video 2

Leakage test of DST-TA after soaking in saline for 24h.

Supplementary Video 3

Long-term adhesion test of DST in vitro

Supplementary Video 4

Long-term adhesion test of DST-TA in vitro