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## Supporting Information for

## Self-Healing Composite Hydrogel with Antibacterial and Reversible Restorability Conductive Properties

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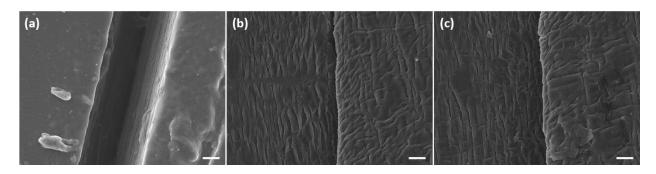
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**Fig. 1S.** SEM images of hydrogels during self-healing processes (a) cut-off; healed at  $37^{\circ}$ C for (b) 6 h; and (c) 12 h at magnification of x1000 (scale bar  $10\mu m$ ).