Supporting Information

Monitoring of pH Change in Live Rat Brain with MoS$_2$/PAN Functionalized Microneedle

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Figure S1. (A) Open-circuit potential response of various pH in serum on PAN/MoS$_2$/AN. (B) The calibration curve of PAN/MoS$_2$/AN to a series of pH value. (slope: 46.8 mV/pH)
Figure S2. Real-time potential responses of PAN/MoS$_2$/AN for a series of pH in serum.