Supporting Information

Monitoring of pH Change in Live Rat Brain with MoS₂/PAN Functionalized Microneedle

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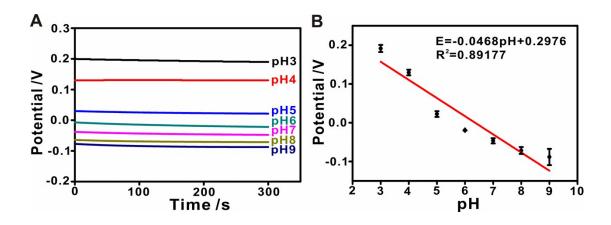


Figure S1. (A) Open-circuit potential response of various pH in serumon $PAN/MoS_2/AN$. (B) The calibration curve of $PAN/MoS_2/AN$ to aseries of pH value. (slope: 46.8 mV/pH)

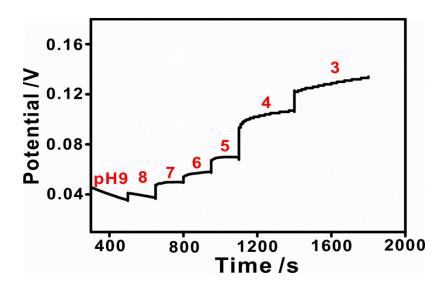


Figure S2. Real-time potential responses of $PAN/MoS_2/AN$ for a serious of pH in serum.