

Supporting Information

A Flexible Optoelectronic Device for Continuous Cerebral Blood Flow Monitoring

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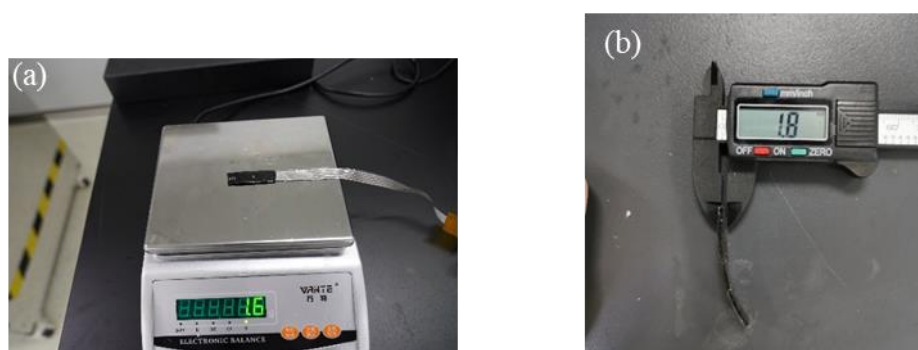


Figure S1. Weight and Size of the device. (a) The weight of the device is recorded. (b) A vernier caliper recorded the thickness of the device.

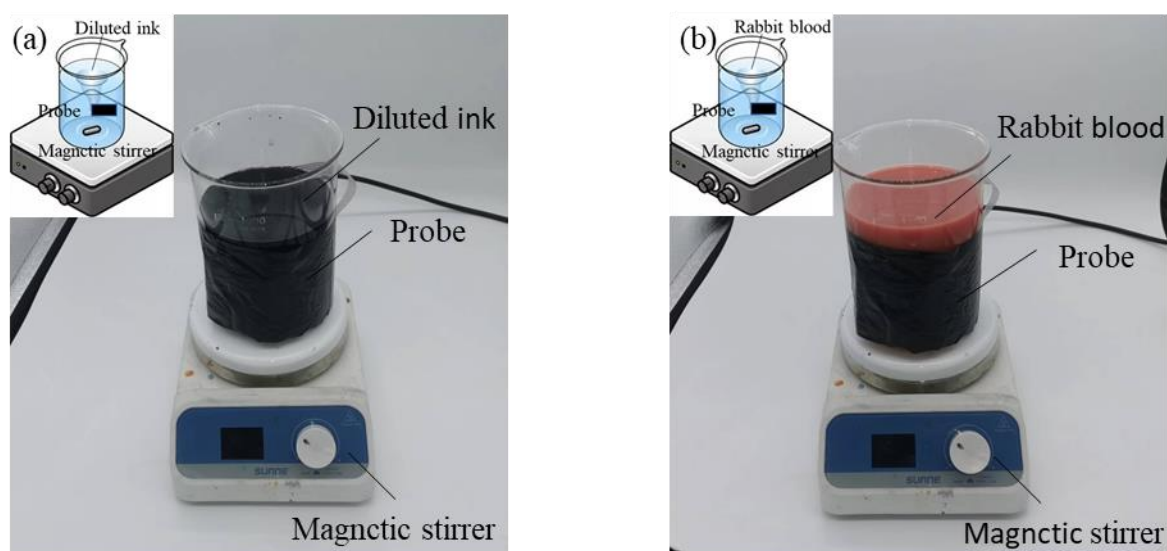


Figure S2. Set up *in vitro* experiment. (a) Set up of liquid optical model experiment. (b) Set up of blood model experiment.

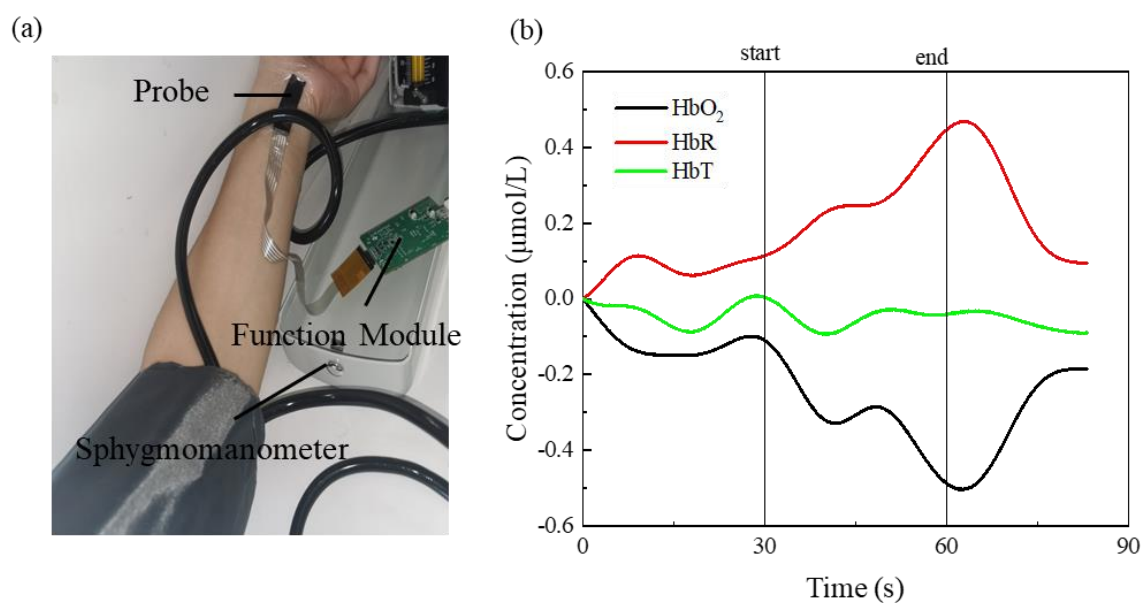


Figure S3. The image and results of the forearm blocking experiment. (a) Set up of the forearm blocking experiment. (b) The results of the experiment.

Table S1. Cost analysis of the device in this study.

Components	Cost Determination
750 nm LED & 850 nm LED	\$0.5
PD	\$7
Flexible Polyimide Copper	\$0.5
Fabrication Cost	\$0.8
PDMS & Black Dye	\$1