

### Supplementary information

#### **A Smartphone-based Fiber-optic Aptasensor for label-free detection of *Plasmodium falciparum* Glutamate dehydrogenase**

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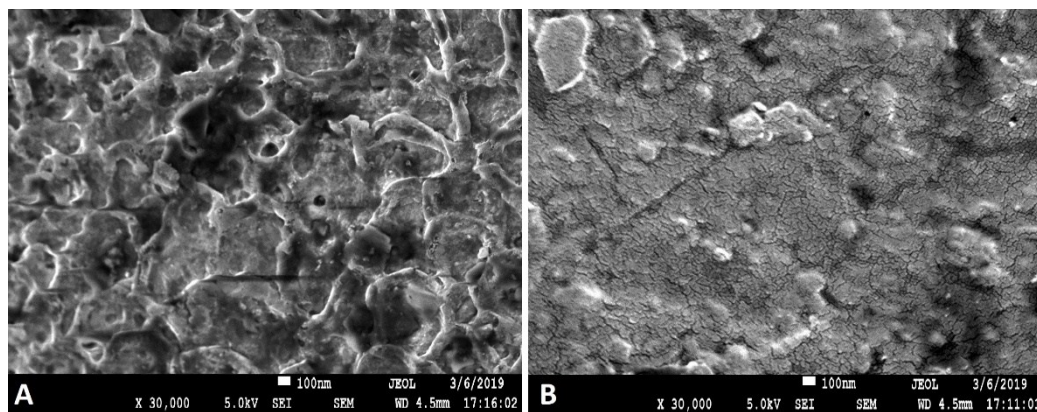


Fig. S1 FESEM images of A) Aptamer functionalized probe and B) Control gold probe

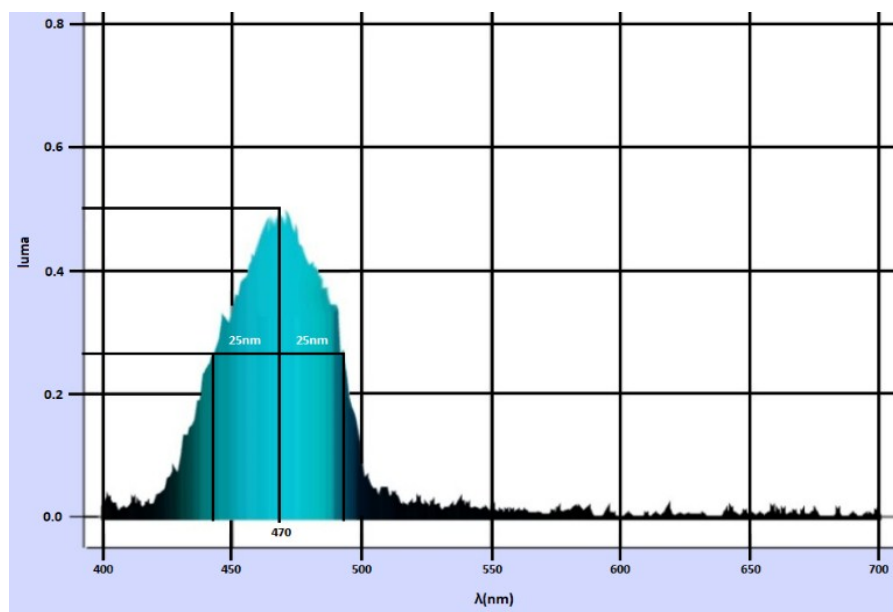
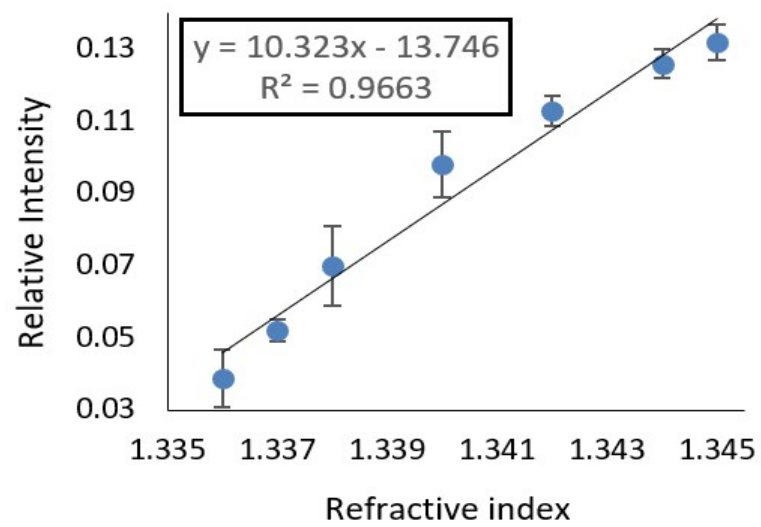


Fig.S2. Output wavelength evaluated using the image spectrum analyser



**Fig.S3:** The response of the sensor to different refractive index solutions