

*Supplementary Information*

**A New Paper-Based Biosensor for Therapeutic Drug Monitoring**

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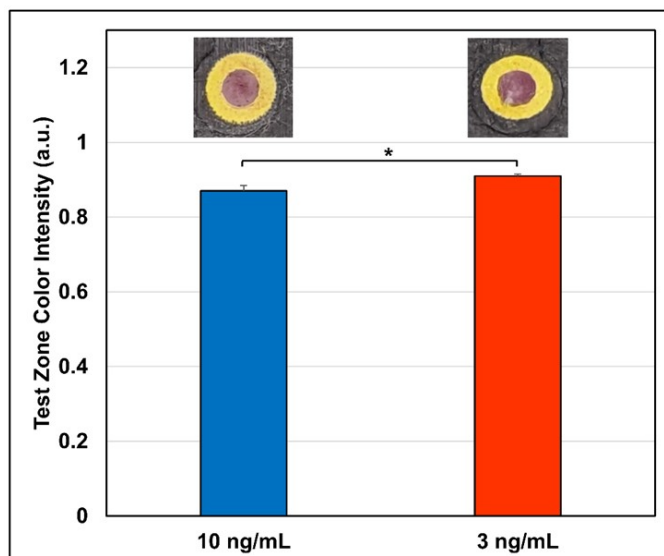
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**Figure S1.** Colorimetric detection and quantification of tacrolimus in human blood. Detection and quantification of tacrolimus in 20  $\mu$ L of unmodified whole human blood at 10 and 3 ng/mL concentrations. Red color formation increased with decreasing tacrolimus concentration as expected for a competitive assay. The detection time was <10 minutes. The images were taken using an Android cellphone camera. Quantification of red color formation was performed using the NIH ImageJ. Statistical analysis was performed by unpaired t-test in GraphPad Prism (La Jolla, CA, USA). Error bars:  $\pm$  SD, \* $p < 0.05$ .