

Supplementary Information

Detection of Acetoin and Diacetyl by a Tobacco Mosaic Virus-Assisted Field-Effect Biosensor

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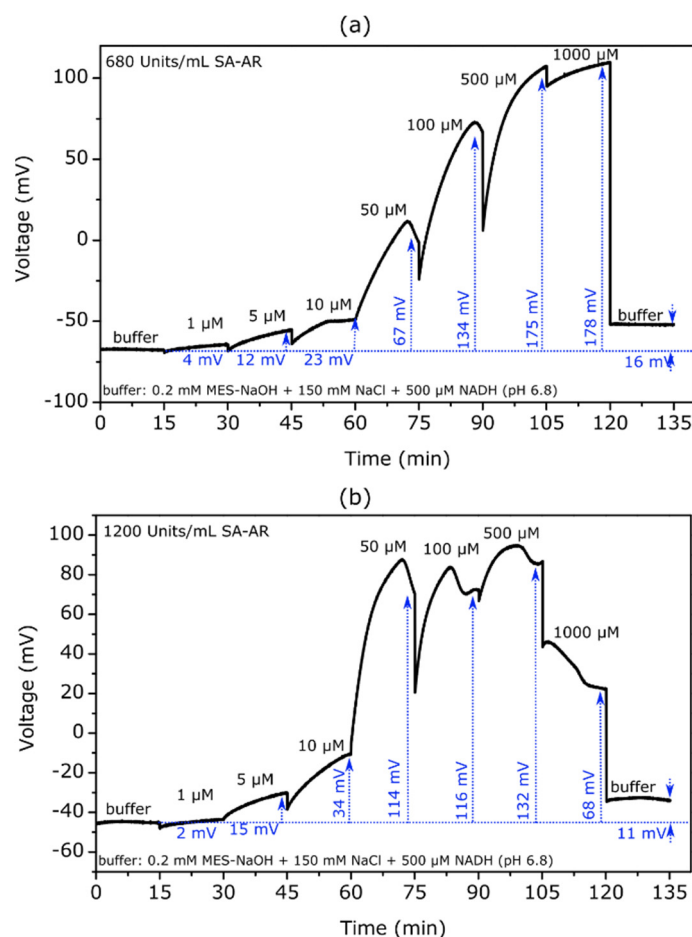


Figure S1. Exemplary constant capacitance curve recorded with a TMV-assisted EISCAP modified with 680 Units/mL streptavidin-conjugated acetoin reductase (SA-AR) (a) and 1200 Units/mL SA-AR (b), respectively. The measurements were performed in 0.2 mM MES-NaOH + 150 mM NaCl + 500 μM NADH (pH 6.0) with varying diacetyl concentrations between 1 μM and 1000 μM.