

## **Supplemental Information**

### **Applying the electrode potential slope method as a tool to quantitatively evaluate the performance of individual microbial electrolysis cell components.**

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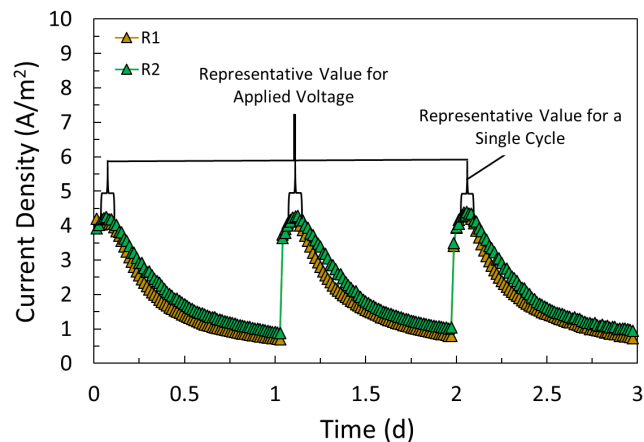


Figure **S1**: Cycle-long current density profiles for reproducible cycles (0.7 V applied). Five data points around peak current were averaged to obtain representative parameter values for a given cycle. Representative values from reproducible cycles were then averaged to obtain a single representative value for each parameter at a given applied voltage.

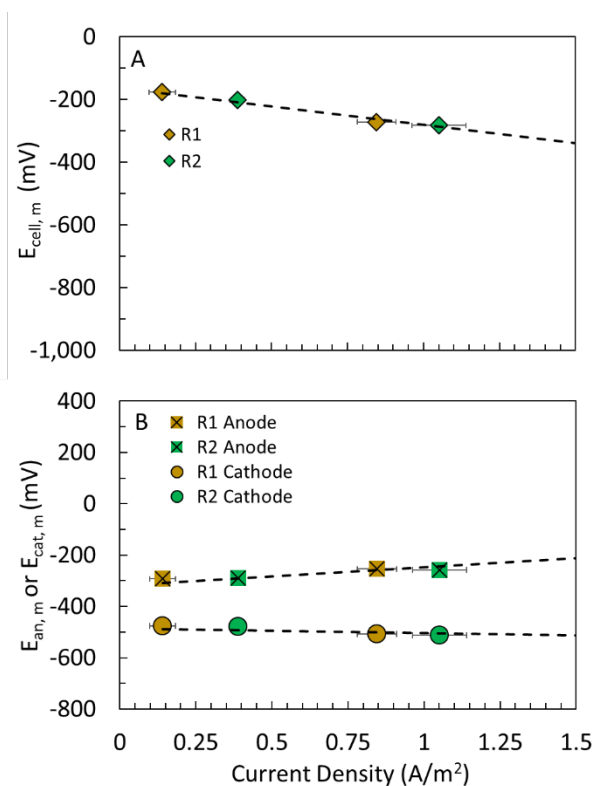


Figure **S2**: Low current portion of (A) whole-cell and (B) individual electrode polarization curves for acetate-fed cube MECs. R1 and R2 refer to duplicate reactors 1 and 2.