

Supplementary Material

Enumeration of exoelectrogens in microbial fuel cell effluents fed acetate or wastewater substrates

Kyoung-Yeol Kim^{a,b*}, Ruggero Rossi^b, John M. Regan^b and Bruce E. Logan^b

^a Department of Environmental and Sustainable Engineering, University at Albany, State University of New York, 1400 Washington Avenue, Albany, New York 12222, United States

^b Department of Civil and Environmental Engineering, The Pennsylvania State University, University Park, Pennsylvania 16802, United States

*Corresponding author: e-mail: kkim28@albany.edu; phone: +1-518-437-4971; fax: +1-518-437-4949

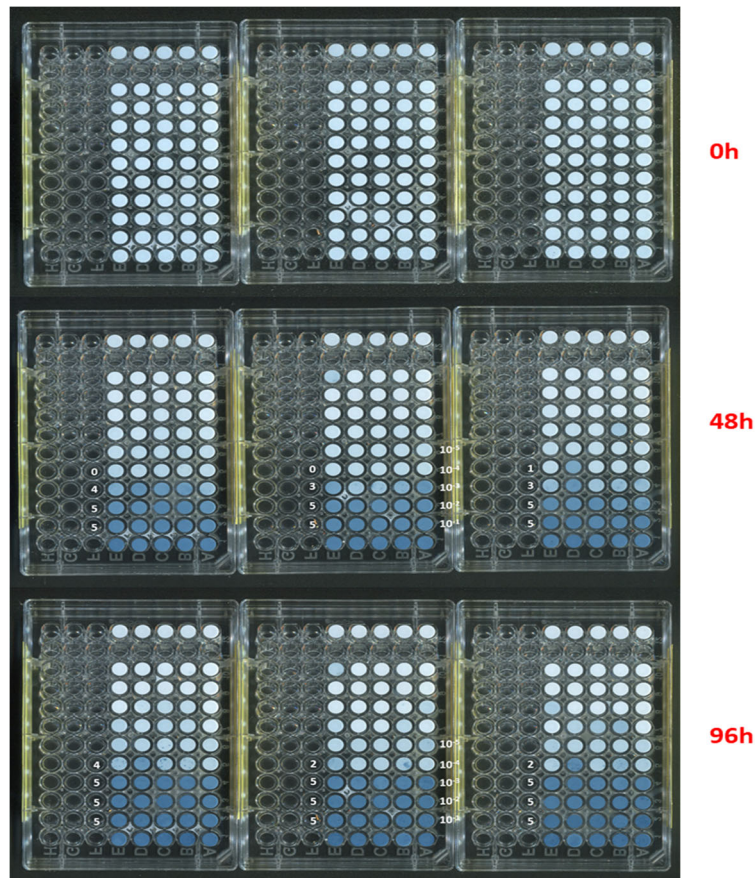


Figure S1. WO₃/MPN test results with different reaction times (0 h, 48 h, and 96 h). Further color changes were observed for a 96 h test compared to the 48 h test.

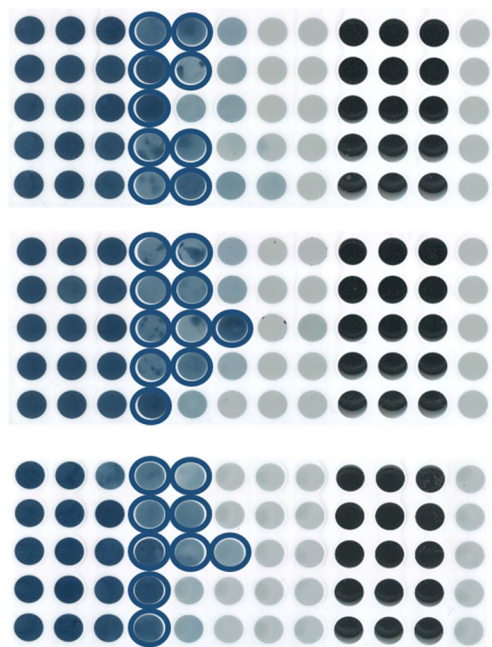


Figure S2. Scanned images of 96-well plates using a WO₃/MPN method for the effluent from the wastewater-fed MFCs. Aggregated WO₃ nanoclusters were found (circled) in the wells on the plates.

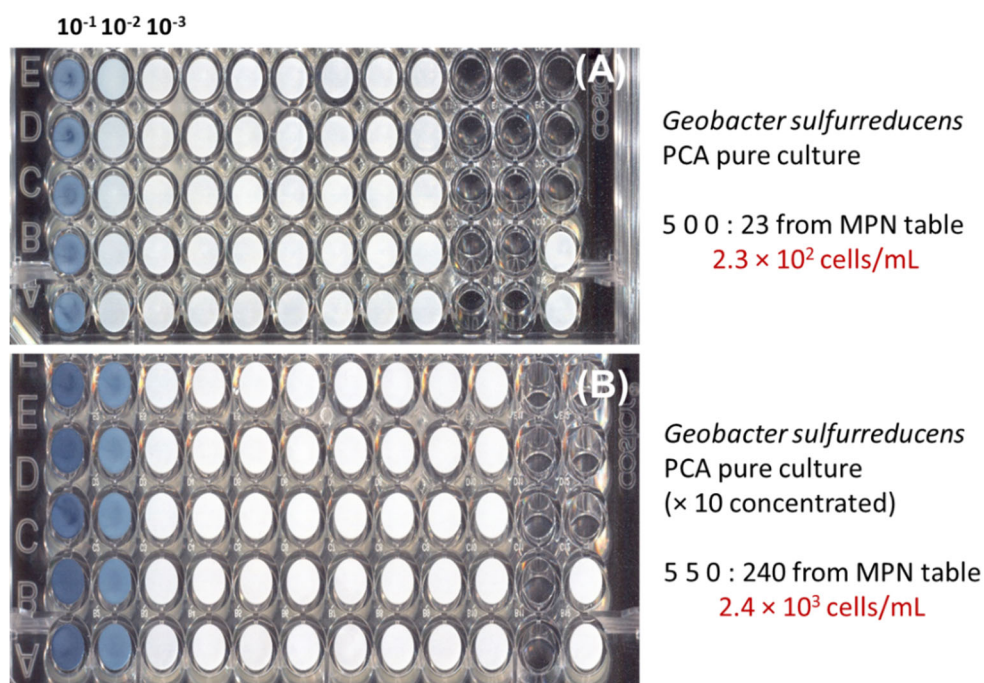


Figure S3. Scanned images of 96-well plates using a WO₃/MPN method for a pure culture of *Geobacter sulfurreducens* PCA, and cell counts based on MPN table. (A) original culture solution, (B) $\times 10$ concentrated culture solution.