Supplemental Information

¹³C Pathway Analysis for the Role of Formate in Electricity Generation by *Shewanella Oneidensis* MR-1 Using Lactate in Microbial Fuel Cells

Shuai Luo^{1#}, Weihua Guo^{2#}, Kenneth Nealson³, Xueyang Feng^{2*}, and Zhen He^{1*}

¹ Department of Civil and Environmental Engineering, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061, USA

² Department of Biological System Engineering, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061, USA

³ Department of Earth Sciences, University of Southern California, Los Angeles, CA 90089, USA.

[#] Those authors contributed equally to this work

* Correspondence and requests for materials should be addressed to X.F. (xueyang@vt.edu) or Z.H. (zhenhe@vt.edu)

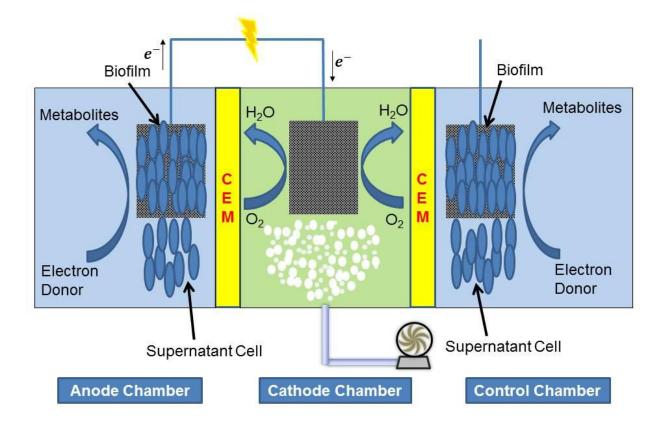


Figure S1. Schematic of a three-chamber system consisting of an anode chamber, a cathode chamber, and a control chamber. The electrodes in the anode and the cathode chambers were connected to form an electrical circuit (functioning MFC).