

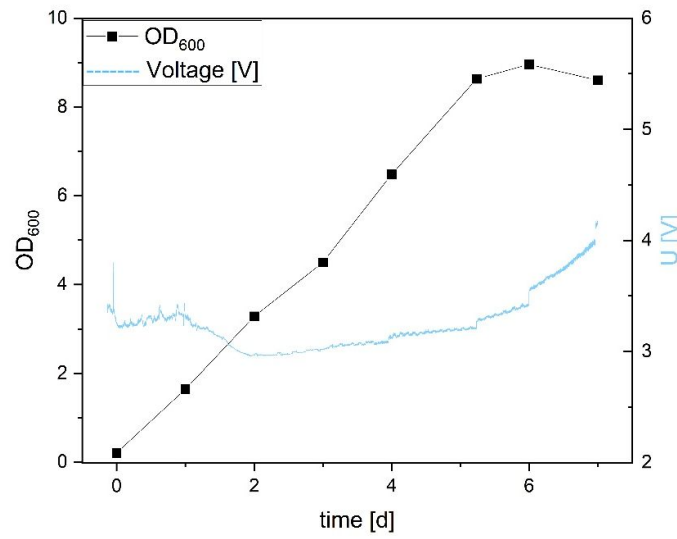


Figure S1.: Batch cultivation in the electrified Pioreactor® *C. necator* Δ PHB was cultivated in the electrified Pioreactor® under electro-autotrophic conditions in minimal medium at 30 °C and 500 rpm for 7 days. The reactors were supplied with a gas mixture of N₂:CO₂:O₂ (85:10:5) at a flowrate of 25 mL/min. A current of 3 mA was applied for water splitting reaction. The shown data is representative for all done experiments (n = 1).